NAD SERVICE MANUAL

MONITOR SERIES

7600

AM/FM RECEIVER

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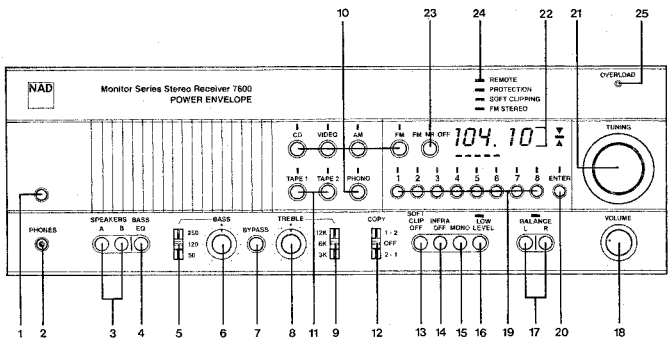
Version List
[A] : USA Version
[A1] : CANADA Version
[B] : U.K. Version
[B1] : AUSTRALIA/N.Z. Version
[C] : EUROPE & OTHERS Version
[C1] : W.GERMANY Version

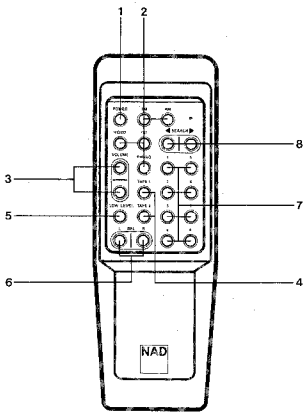
FRONT PANEL

1. Power.
2. Phones.
3. Speaker Selector.
4. Bass EQ.
5. Bass Range.
6. Bass.
7. Tone Control Bypass.
8. Treble.
9. Treble Range.
10. Input Selector.
11. Tape 1, Tape 2 (Monitor).
12. Tape Copy.
13. Soft Clipping Off.
14. Infrasonic Filter Off.
15. Mono.
16. Low Level.
17. Balance Left/Right.
18. Volume.
19. Pre-sets.
20. Memory Enter.
21. Tuning.
22. Tuning Display.
23. FM NR Off.
24. Status Indicators.
25. Overload Indicator.



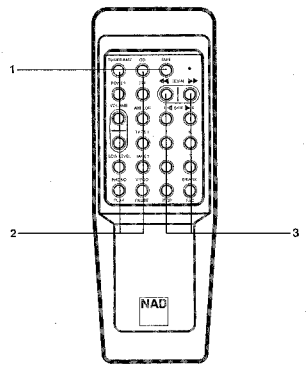
REMOTE CONTROL

1. Power.
2. Input Selector.
3. Volume Up/Down.
4. Tape 1, Tape 2 (Monitor).
5. Low Level.
6. Balance Left/Right.
7. Station Pre-sets.
8. Tuning Search Up/down.



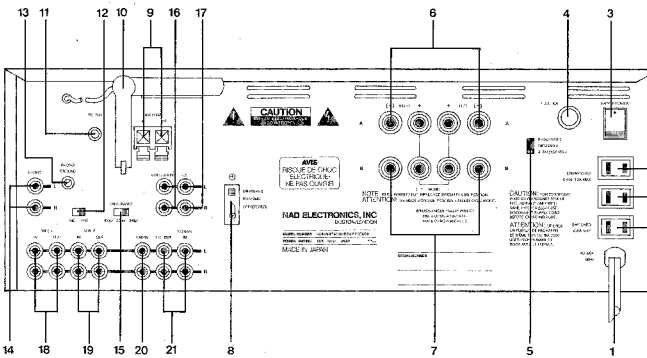
UNIFIED REMOTE CONTROL

1. Mode Selection
2. Signal Source Selection
   Volume
   Playback Controls
3. Station Selection
   CD Tracks
   Tape Ocations



REAR PANEL (For A, A1 Version)

1. AC Line Cord.
2. AC Outlets.
3. Master Power Switch.
4. AC Fuse.
5. Speaker Impedance.
6. Speakers A.
7. Speakers B.
8. Bridging.
9. AM Antenna Terminals.
10. AM Rod Antenna.
11. FM Antenna Input.
12. MM-MC.
13. Phono Ground.
14. Phono Input.
15. Phono Capacitance (MM only).
16. Video Sound Input.
17. CD Input.
18. Tape 1 Input/Output.
19. Tape 2 Input/Output.
20. Lab Input.
21. Preamp Out, Normal In.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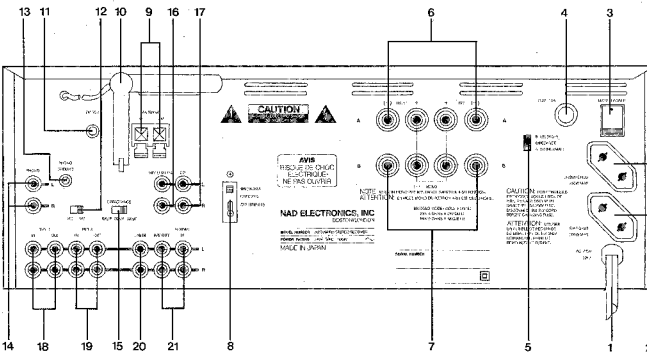
CAUTION
AVIS
RISQUE DE CHOC ELECTRIQUE - NE PAS OUVRIR
NAD ELECTRONICS, INC
MADE IN JAPAN
14 18 19 15 20 21 8 7 5 1 2

(For B Version)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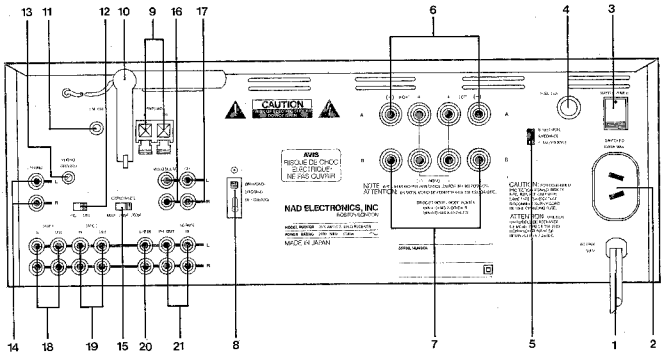
(For B1 Version)



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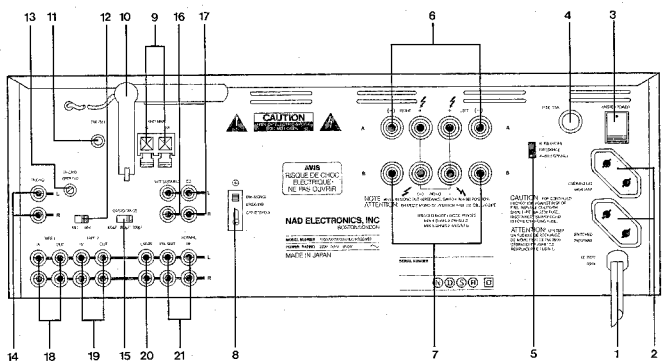

SPECIFICATIONS

FEATURES

A. CONTROLS AND SWITCHES

1.	Function Selector switch	: CD/VIDEO/PHONO/FM/AM	: Sensor type
2.	Tuning control	: Up/Down	: Rotary type
3.	Volume control	: Min/Max	: Rotary type
4.	Low Level switch	: On/Off	: Push type
5.	Enter switch	: On	: Sensor type
6.	Preset switch (1-8)	: On	: Sensor type
7.	Mono switch	: Stereo/Mono	: Push type
8.	Bass control	: Min/Max	: Rotary type
9.	Treble control	: Min/Max	: Rotary type
10.	Tone Bypass switch	: On/Off	: Push type
11.	Tape Monitor switch	: Tape 1/Tape 2	: Sensor type
12.	Dubbing switch	: 1→2/Off/2→1	: Lever type
13.	Speaker Selector switch	: A/B	: Push type
14.	Bass EQ switch	: On/Off	: Push type
15.	Balance control	: Left/Right	: Sensor type
16.	FM NR Off switch	: On/Off	: Sensor type
17.	AC Power switch	: On/Off	: Sensor type
18.	Soft Clipping switch	: On/Off	: Push type
19.	Infrasonic switch	: On/Off	: Push type
20.	Bass Turnover switch	: 250/120/50Hz	: Lever type
21.	Treble Turnover switch	: 12/6/3kHz	: Lever type
22.	FM De-Emphasis switch	: 75/50 μsec	: Slide type (Inside)
23.	Scan Step switch	: AM 9/10kHz	: Slide type (Inside)
24.	PHONO switch	: MC/MM	: Slide type (Rear)
25.	PHONO Capacitance Loading switch	: 100/200/300 pF	: Slide type (Rear)
26.	Bridging switch	: Stereo/Mono	: Slide type (Rear)
27.	Speaker Impedance switch	: 4/8Ω	: Slide type (Rear)
28.	Master Power switch	: On/Off	: Rocker type (Rear)

B. EXTERNAL CONNECTIONS

1.	AM antenna	: 2 p terminal
2.	FM antenna	: 75Ω F-type coaxial terminal
3.	Phono input (L/R)	: RCA type pin jack (2p)
4.	Lab input (L/R)	: RCA type pin jack (2p)
5.	CD input (L/R)	: RCA type pin jack (2p)
6.	Video input (L/R)	: RCA type pin jack (2p)
7.	Tape monitor input (L/R)×2	: RCA type pin jack (4p)
8.	Pre output (L/R)	: RCA type pin jack (2p)
9.	Normal input (L/R)	: RCA type pin jack (2P)
10.	Recording output (L/R)×2	: RCA type pin jack (4p)
11.	AC Line cord	: UL type
12.	Speaker system A	: Army type binding post for banana plug [A][A1][B][B1] not for banana plug [C][C1]
13.	Speaker system B	: Army type binding post for banana plug [A][A1][B][B1] not for banana plug [C][C1]

C. OUTPUT LOAD

1.	Speaker output	: 8Ω/4Ω
2.	Headphone output	: 8Ω
3.	Recording output	: 10KΩ

D. AC POWER SUPPLY

: 120V/60Hz		[A][A1]
: 240V/50Hz		[B][B1]
: 220V/50Hz		[C][C1]

E. REMOTE CONTROL TRANSMITTER

1.	Volume control	: Up/Down	: Sensor type
2.	Power switch	: On/Off	: Sensor type
3.	Memory switch (1-8)	: On	: Sensor type
4.	Search	: Up/Down	: Sensor type
5.	Low Level	: On/Off	: Sensor type
6.	Tape	: Tape 1/Tape 2	: Sensor type
7.	Function Selector switch	: Phono/CD/VIDEO/FM/AM	: Sensor type
8.	Power supply	: UM3×2	
9.	Size	: W=60 H=180 D=36(mm)	

F. UNIFIED REMOTE CONTROL TRANSMITTER

1.	Volume control	: Up/Down	: Sensor type
2.	Power switch	: On/Off	: Sensor type
3.	Low Level	: On/Off	: Sensor type
4.	Tuner Amp. (Mode Selector)	: On	: Sensor type
4-1.	Band Selector	: AM/FM	: Sensor type
4-2.	Memory switch (1-8)	: On	: Sensor type
4-3.	Frequency control	: Up/Down	: Sensor type
5.	CD (Mode/Function Selector)	: On	: Sensor type
5-1.	Scan	: Up/Down	: Sensor type
5-2.	Skip	: Up/Down	: Sensor type
5-3.	Play	: On	: Sensor type
5-4.	Pause	: On	: Sensor type
5-5.	Stop	: On	: Sensor type
6.	Tape (Mode Selector)	: On	: Sensor type
6-1.	F.F.	: On	: Sensor type
6-2.	Rew	: On	: Sensor type
6-3.	Play	: On	: Sensor type
6-4.	Pause	: On	: Sensor type
6-5.	Stop	: On	: Sensor type
6-6.	Rec	: On	: Sensor type
7.	Other Function Selector	: PHONO/VIDEO	
8.	Tape	: Tape 1/Tape 2	
9.	Power supply	: UM3×2	
10.	Size	: W=60 H=180 D=36 (mm)	

G. DIMENSIONS AND NET WEIGHT

1.	Dimensions	: W=435 H=150 D=422(mm)
2.	Net Weight	: 16.5Kg

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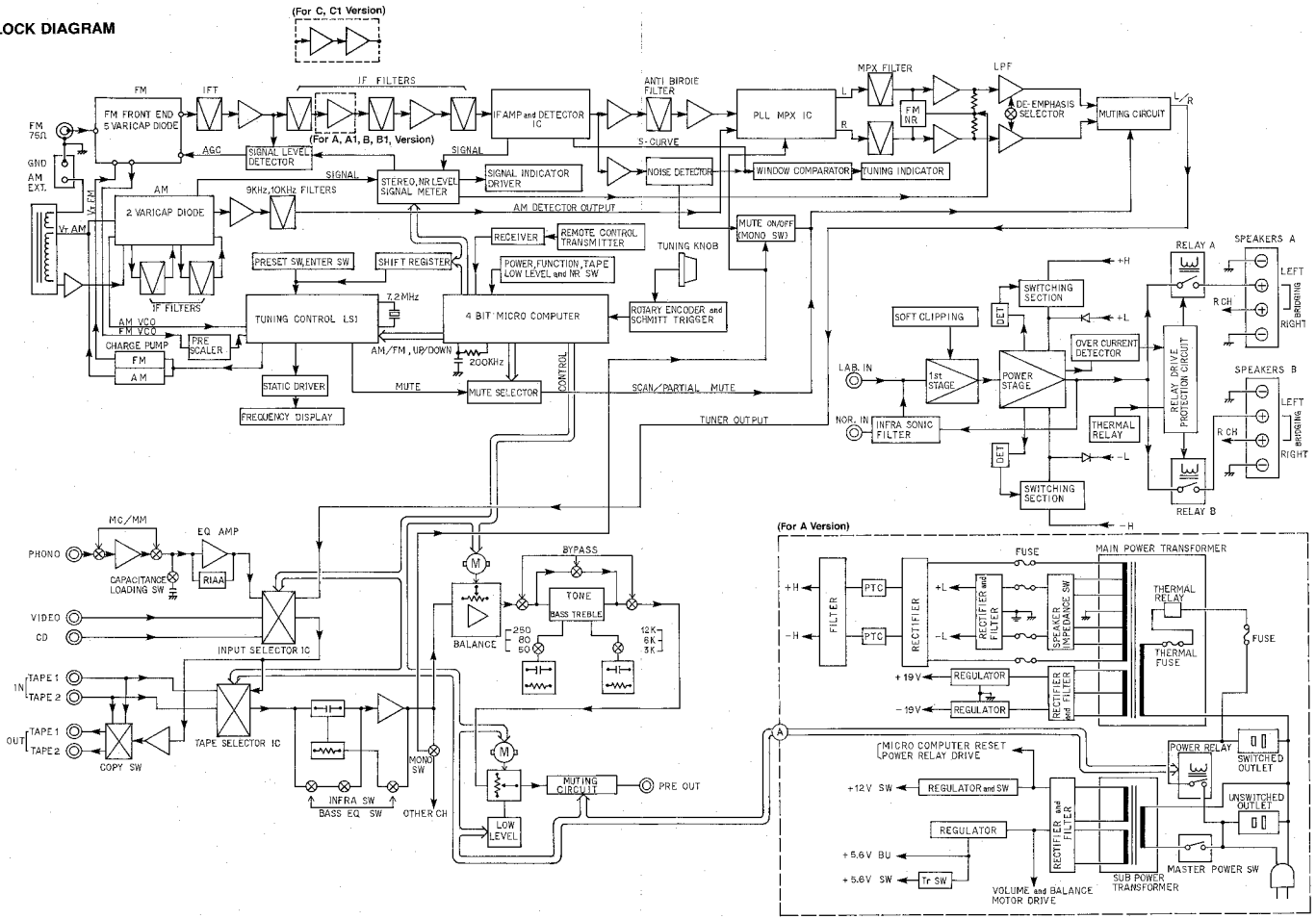
ELECTRICAL SPECIFICATION

	Nominal	Limit	Unit	
A. AM Section ,at 1000 kHz [A][A1]/999 kHz [B][B1][C][C1]				
1. 20 dB quieting sensitivity	200	400	μV/m	
2. Selectivity at S/N 20 dB input ±10 kHz [A][A1]/±9 kHz [B][B1][C][C1]	55	50	dB	
3. IF rejection ratio	65	60	dB	
4. Image rejection ratio	40	35	dB	
B. FM Section (at 98 MHz)				
1. IHF (usable) sensitivity	0.9(10.3)	1.4(14.2)	μV(dBf)	[A][A1][B][B1]
	1.12(12.2)	1.78(16.3)	μV(dBf)	[C]
	1.58(15.3)	2.51(19.3)	μV(dBf)	[C1]
2. 50 dB quieting sensitivity	1.1(12.2)	1.8(16.4)	μV(dBf)	[A][A1]
	1.41(14.2)	2.24(18.3)	μV(dBf)	[B][B1]
	1.58(15.2)	2.51(19.2)	μV(dBf)	[C]
	2.0(17.3)	3.16(21.3)	μV(dBf)	[C1]
3. S/N ratio at 65 dBf input	65	60	dB	[A][A1]
	64	79	dB	[B][B1][C][C1]
4. Frequency response ±0.5 range at 65 dBf input	20-15K	30-12K	Hz	
5. Capture ratio	1.5	2.5	dB	[A][A1][B][B1]
	5.0	6.0	dB	[C][C1]
6. Alternate channel selectivity	80	75	dB	
7. Image response ratio at 106 MHz		>110	dB	
8. IF response ratio at 90 MHz		>110	dB	
9. AM suppression at 65 dBf input	62	56	dB	
10. Adjacent channel selectivity	27	22	dB	[C][C1]
C. FM MPX Section (at 98 MHz)				
1. Stereo 60 dB quieting Sensitivity				
FM NR ON	14(34.2)	20(37.2)	μV(dBf)	[A][A1]
	15.8(35.3)	22.4(38.3)	μV(dBf)	[B][B1]
	17.8(36.3)	25.1(39.3)	μV(dBf)	[C]
	22.4(38.3)	31.6(41.3)	μV(dBf)	[C1]
FM NR OFF	50(45.2)	70(48.2)	μV(dBf)	[A][A1]
	69.1(47.3)	89.1(50.3)	μV(dBf)	[B][B1]
	56.3(46.3)	79.5(49.3)	μV(dBf)	[C]
	70.8(48.3)	100(51.3)	μV(dBf)	[C1]
2. S/N ratio, at 85 dBf input	80	76	dB	[A][A1]
	79	75	dB	[B][B1][C][C1]
3. SCA rejection		>70	dB	
D. Audio Section				
Preamplifier Section				
1. Input impedance at 1 kHz				
Phono MC [C=1000 pF]	100	±10%	Ω	
Phono MM [C=100, 200, 320 pF]	47	±10%	KΩ	
CD, Tape 1/2, Video	47	±20%	KΩ	
2. Sensitivity for rated power				
Phono (MM/MC)	2.5/0.15	±2 dB	mV	
CD, Tape 1/2, Video	150	±2 dB	mV	
3. Max input signal at clipping level (measured at tape out) 1% THD (1 kHz)				
Phono (MM/MC)	190/12	160/10	mV	
CD, Tape 1/2, Video	8	6	V	
4. Frequency response from 20 Hz-20 kHz				
CD, Tape 1/2, Video	±0.3	±0.8	dB	
5. S/N ratio (Speaker Out at 1W)				
A-Weighted				
Phono MM (5 mV input & 1 KΩ shorted)	85	78	dB	
Phono MC (500 μV input & 100 Ω shorted)	78	76	dB	
CD, Tape 1/2, Video (Input 1 KΩ shorted)	94	88	dB	
Flat				
Phono MC (500 μV input & shorted)	68	66	dB	[A][A1][B][B1][C]
	65	63	dB	[C1]
6. Tone control response				
Bass; at 250 Hz, 120 Hz, 50 Hz	±12	±12 ±2	dB	
Treble; at 12 kHz, 6 kHz, 3 kHz	±12	±12 ±2	dB	
7. Infrasonic filter at 11 Hz (12 dB/Oct.)	−3	−3 ±2	dB	
8. Channel balance at VR maximum.	0	±1	dB	
9. Phono/EQ. (RIAA) response (measured at tape out) RIAA				
MC; from 30 Hz to 20 kHz	±0.3	±0.8	dB	
MM; from 20 Hz to 20 kHz	±0.3	±0.8	dB	

	Nominal	Limit	Unit	
10. Output impedance			Ω	
Pre out	800		KΩ	[A][A1][B][B1][C]
Tape 1/2 out	1		KΩ	[C1]
	3.2			
11. Speaker Equalization (Bass EQ.)				
at 60 Hz	+3	±2	dB	
at 37 Hz	+6	±2	dB	
12. Cross talk at 10 KHz	70	65	dB	
Poweramplifier section				
1. Power output, from 20 Hz to 20 kHz rated THD (0.05%)				
Both channels driven, 8 Ω load		more than 150	W	
2. Total harmonic distortion from 20 Hz to 20 kHz at rated power				
at 20 Hz, 1 kHz and 20 kHz		less than 0.05	%	
3. Clipping Power, 8 / 4 Ω load	180/200	160/180	W	
Input: Video				
Output: 1% THD, 1 kHz continuous Both CH. Driven				
4. Dynamic Power (Both CH.Driven), 8 /4 Ω load	400/500	350/440	W	
Input: Video Output: Clipping point, 1 kHz 20 ms IHF dynamic wave				
5. IM Distortion (Both CH.Driven), 8 Ω load		less than 0.05	%	
Input: Video 60 Hz : 7000 Hz = 4 : 1				
Output: From 250 mW to 150 W				
6. Frequency response (Output 1 W)				
Input: LAB in 20-20000 Hz		±0.5	dB	
Input: Nor in flat 14 Hz and 40 kHz	−3	−3±1.5	dB	
7. Damping factor at 50 Hz, 8 Ω load	120	100	—	
8. Input impedance		more than 20	KΩ	
9. Soft clipping level (When switched in just at onset of clipping), 8 / 4 Ω load	−0.5	−0.5±0.4	dB	
10. Peak short term (1 msec.) O/P current	50	45	A	
11. Input Sensitivity (Output 150 W), 8 Ω load	1	1±1 dB	V	
12. T.H.D. (Output: No load (60V))		less than 1	%	

Specifications and design are subject to change without notice.

BLOCK DIAGRAM



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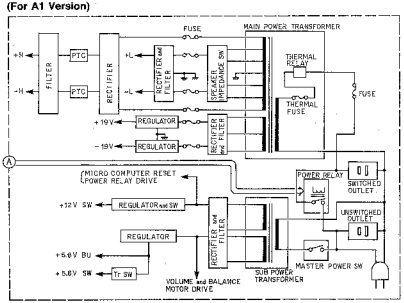

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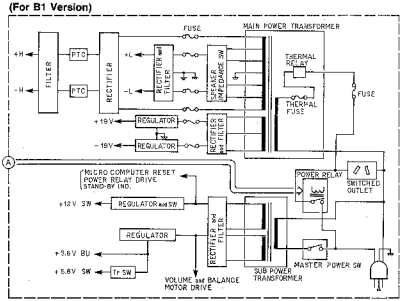

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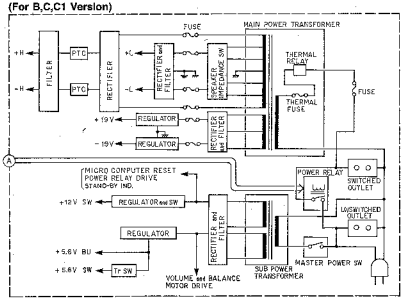


ALIGNMENT PROCEDURES

Amplifier

Condition

1. SPEAKER IMPEDANCE SW (Rear Panel): 4-8Ω (NORMAL)
2. SPEAKER Selector: A position
3. SPEAKER A load: 8Ω dummy

IDLING

1. Set the VOLUME control to minimum.
2. No input.
3. Preheat more than 15 minutes.
4. Connect the DC digital volt meter to TP601 (L)/TP602 (R).
5. Adjust SVR603 (L)/SVR604 (R) for 7.5±0.5mV.

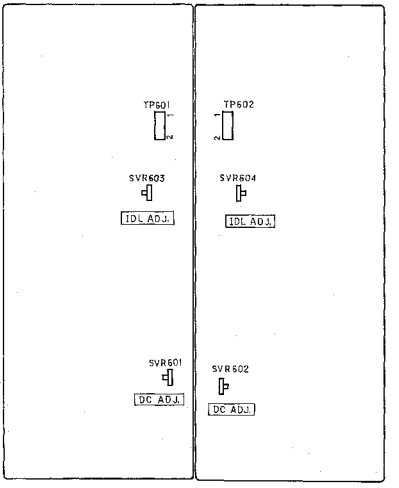
OFFSET VOLTAGE

1. Set the VOLUME control to minimum.
2. No input.
3. Connect the DC digital volt meter to the SPEAKER TERMINAL A (L/R).
4. Adjust SVR601 (L)/SVR602 (R) for between −5mV and +5mV.

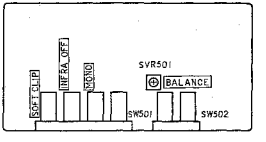
L/R OUTPUT BALANCE

1. Set the VOLUME control to maximum.
2. Connect the audio generator to both channels of VIDEO.
3. Set the Mono switch and the LOW LEVEL SW to OFF position.
4. Set the input frequency to 1kHz and 3V at the Left CH of SPEAKER OUTPUT.
5. Adjust SVR501 for 3V±0.1dB at the right CH.

ML P.C.Board **MR P.C.Board**



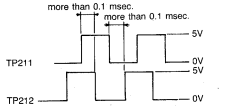
SV P.C.Board



Tuner

ENCODER LEVEL

1. Connect the dual trace oscilloscope to the test point TP211/TP212, monitor the rotary encoder output.
2. Adjust SVR201 until the overlap part of output waveform is more than 0.1 msec. at the test point TP211/TP212 when turn as fast as possible the tuning knob.



AM

Condition

1. Tuning method: Tuning indicator ON or the output is maximum.
2. Modulation: 400Hz, 30%
3. Generator output: IRE Loop antenna 24" (60cm) spacing.
4. Preheat: More than 1 minute.

TUNING VOLTAGE

1. No input.
2. Connect the DC digital volt meter to the test point TP101 and GND.
3. Set the tuner frequency to **F1** kHz.
4. Adjust TC102 for 30±0.1V.
5. Set the tuner frequency to **F2** kHz.
6. Adjust T101 for 1.6±0.05V.

IF

1. Set the tuner frequency to the point of non-interference.
2. Connect the output of IF sweep generator to the test point TP102 through IHF dummy and set the frequency to 450±0.5kHz.
3. Connect the input of IF sweep generator to the test point TP103 through a 10μF cap.
4. Adjust T102/T103 for flat and maximum output.

TRACKING

1. Set the tuner frequency to **F3** kHz.
2. Connect the output of signal generator to IRE Loop and set the frequency to **F3** kHz.
3. Connect the ACVM to TAPE OUT jacks.
4. Adjust TC101 for maximum output.
5. Change the tuner frequency to **F4** kHz.
6. Adjust the Bar antenna for maximum output.

SIGNAL METER

1. Set the tuner frequency to **F5** kHz.
2. Set the input level to 84dB/m.
3. Adjust SVR101 until the signal indicators fully light up.

MUTING LEVEL

1. Set the input level to 48dB/m.
2. Short TP141 to ground.
3. Adjust SVR102 until the tuning indicator lights up.

AM Frequency table

	A, A1	B, B1, C, C1
F1	1710	1710
F2	520	522
F3	1400	1404
F4	600	603
F5	1000	999

FM

Condition

1. Tuning method: Tuning indicator ON
2. Generator: Mono~1kHz, 75kHz dev.
   Stereo~1kHz, 75kHz dev. pilot 9%
3. TAPE OUT load: 100 kΩ resistor shunted by 1000pF capacitor.
4. Input level: 65dBf unless otherwise noticed.
5. De-Emphasis switch(SW061): 75μs Position.
6. Preheat more than 1 minute.

TUNING VOLTAGE

1. Connect the DC digital volt meter to TP001 and GND.
2. Set the tuner frequency to 87.50MHz.
3. Adjust OSC-L (Front end) for 3.6±0.2V.
4. Change the tuner frequency from 87.50MHz to 108.00MHz.
5. Check for 30.0±0.1V.

V.C.O

1. Connect the frequency counter to TP003.
2. Set the tuner frequency to 98.00MHz.
3. Adjust TC201 for 108.700MHz±3kHz.

IF

1. Connect the ACVM and the distortion meter to TAPE OUT jacks.
2. Connect the DC digital volt meter to TP002.
3. Set the tuner frequency to 98.00MHz.
4. Set the input level to **V1** dBf.
5. Set the Mono switch to ON position. (Partial mute OFF)
6. Adjust IFT (Front end) and T001 for minimum distortion.
7. Change the input level to 65dBf.
8. Adjust T002 (PRI.) for between −20mV and +20mV.
9. Adjust T002 (SEC) for minimum distortion.

TRACKING

1. Set the tuner frequency to 106.00MHz.
2. Set the input level to **V1** dBf.
3. Adjust ANT-TC1, 2, 3 and 4 (Front end) for minimum distortion or maximum output.
4. Change the tuner frequency to 90.00MHz.
5. Adjust ANT-L1, 2, 3 and 4 (Front end) for minimum distortion or maximum output.

SIGNAL METER

1. Set the input level to 71.3dBf.
2. Adjust SVR141 until the topmost of signal indicators light up.

STEREO LEVEL

1. Set the tuner frequency to 98.00MHz.
2. Set the input level to 24.3dBf.
3. Set the Mono switch to OFF position.
4. Adjust SVR142 until the STEREO indicator lights up.

SEPARATION

1. Change the input level to 65dBf.
2. Connect the ACVM to TAPE OUT jacks.
3. Adjust SVR061 for best separation.

PILOT LEAK LEVEL

1. Change the modulation to pilot only.
2. Adjust T061 (L)/T062 (R) for minimum leak level.

L/R OUTPUT LEVEL

1. Change the modulation from stereo to mono.
2. Adjust SVR062 until the right CH level is the same as the left CH level.

SCAN STOP LEVEL

1. Set the input level to **V2** dBf.
2. Connect the DC volt meter to the cathode of D152 or D153.
3. Adjust SVR001 until the voltage changes 5V from 0V.

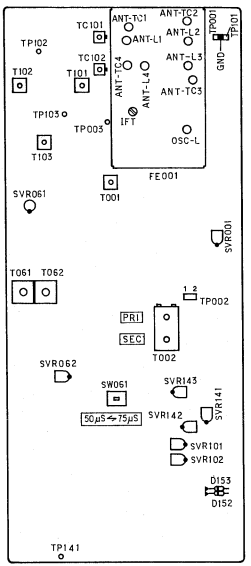
FM NR LEVEL

1. Set the input level to **V3** dBf.
2. Change the modulation from mono to stereo.
3. Connect the ACVM to TAPE OUT jacks.
4. Adjust SVR143 for 60dB S/N in stereo.

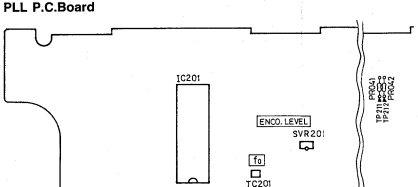
FM Input Level table

	A,A1	B,B1	C	C1
V1	8.3~10.3	8.3~10.3	12.3~15.3	12.3~15.3
V2	29.3	29.3	27.3	27.3
V3	34.3	35.3	36.3	38.3

TIM P.C.Board



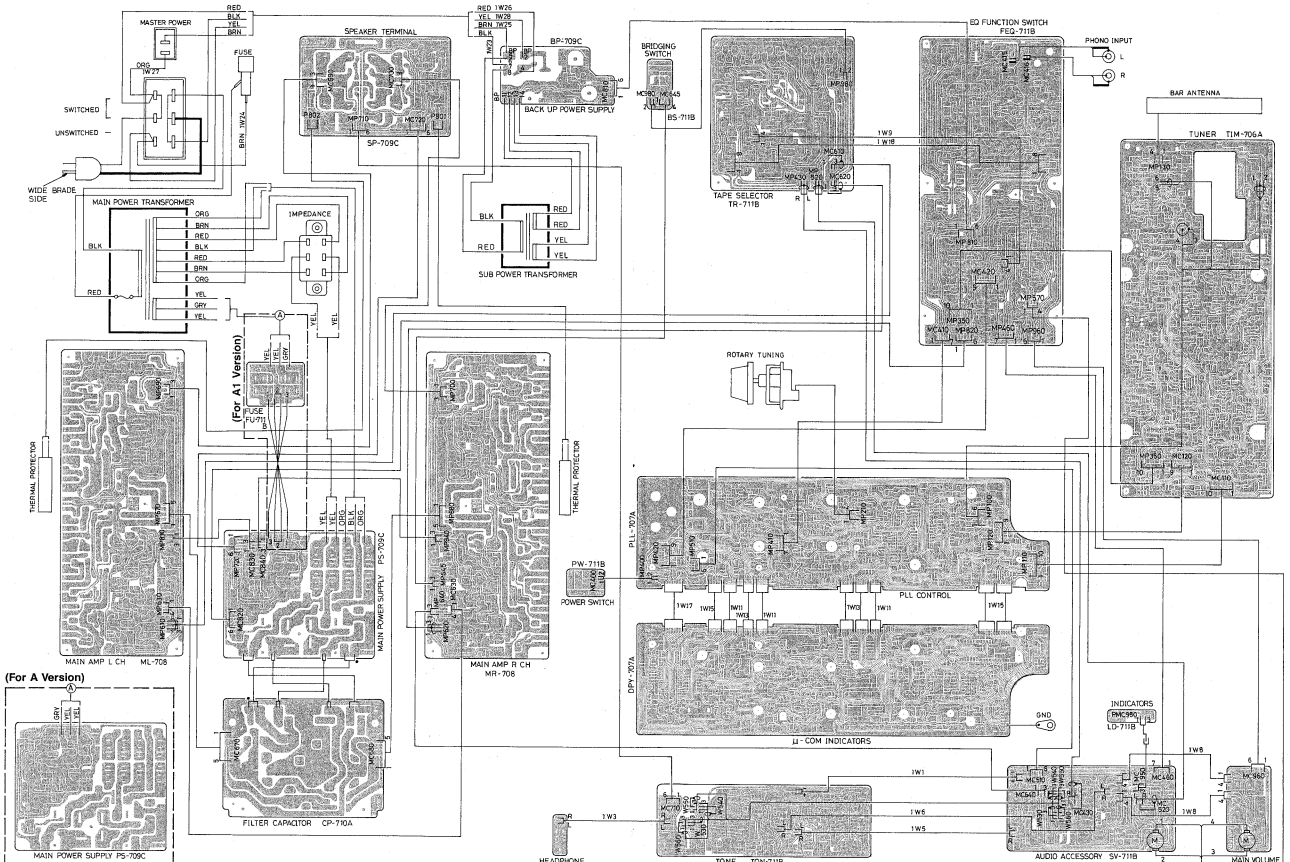
PLL P.C.Board



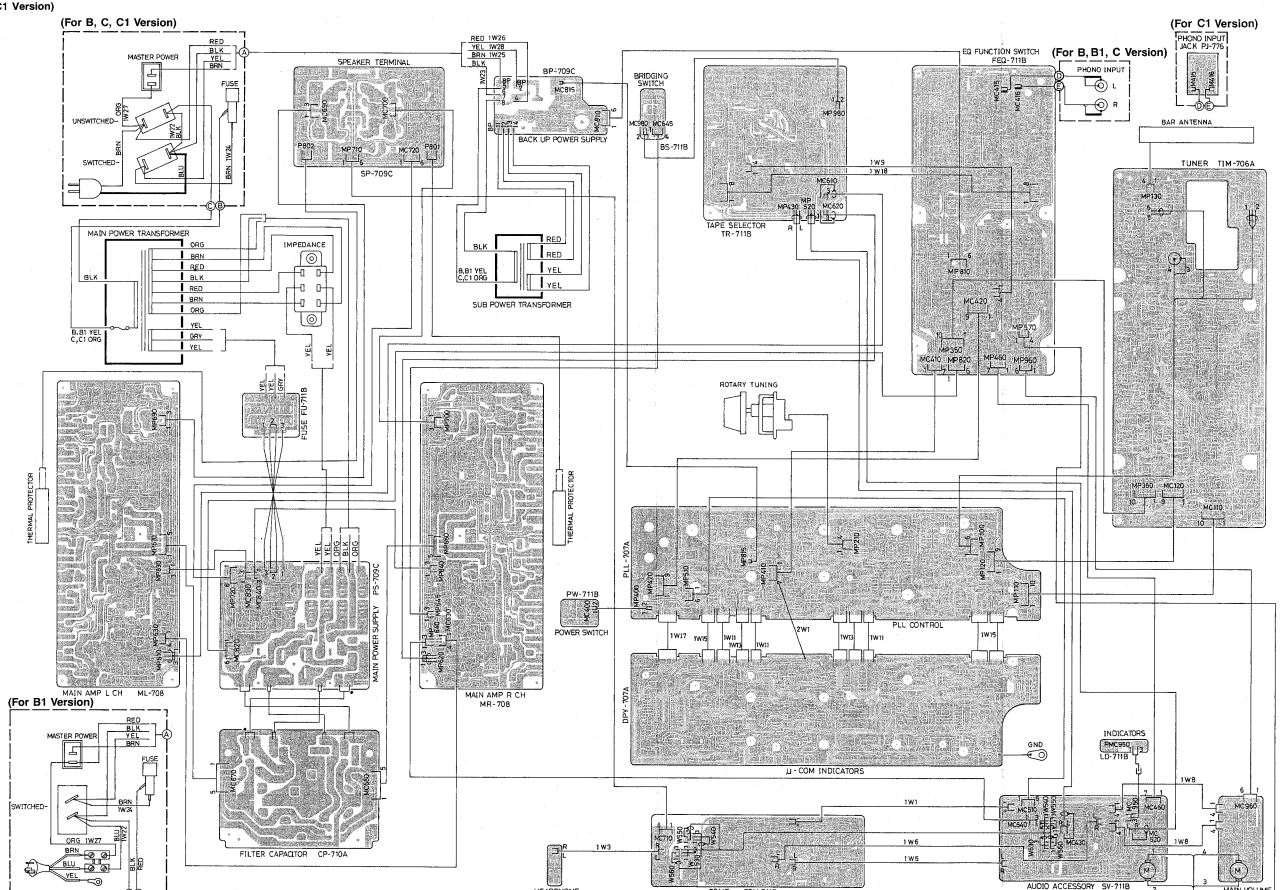
[A] : USA Version **[B] : U.K. Version** **[C] : EUROPE & OTHERS Version**
[A1] : CANADA Version **[B1] : AUSTRALIA/N.Z. Version** **[C1] : W.GERMANY Version**

WIRING DIAGRAM (Component side)

(For A,A1 Version)



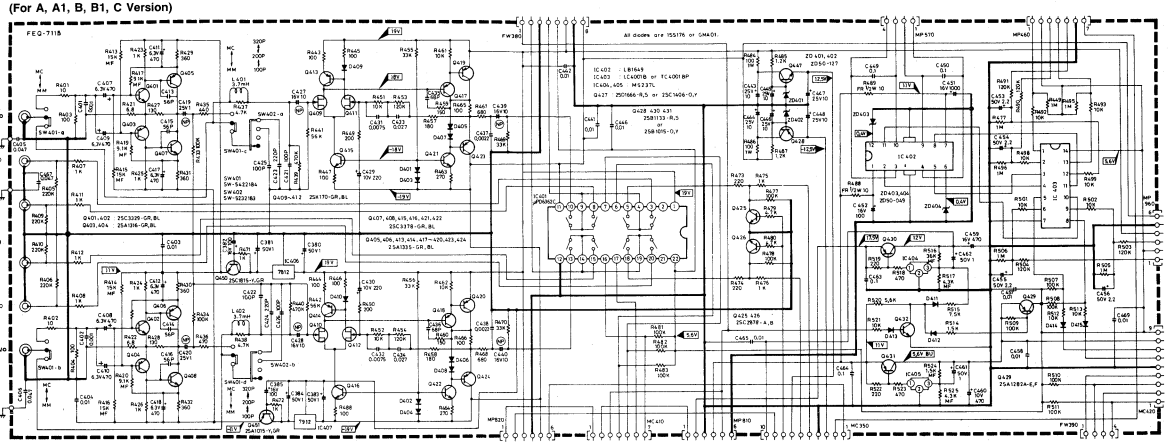
(For B,B1,C,C1 Version)



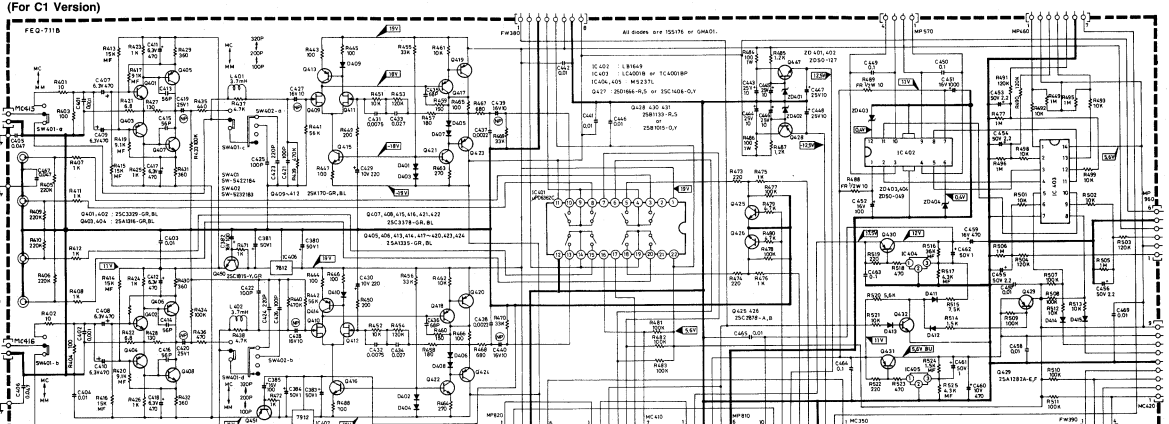
SCHEMATIC AND PCB LAYOUT (Foil side)

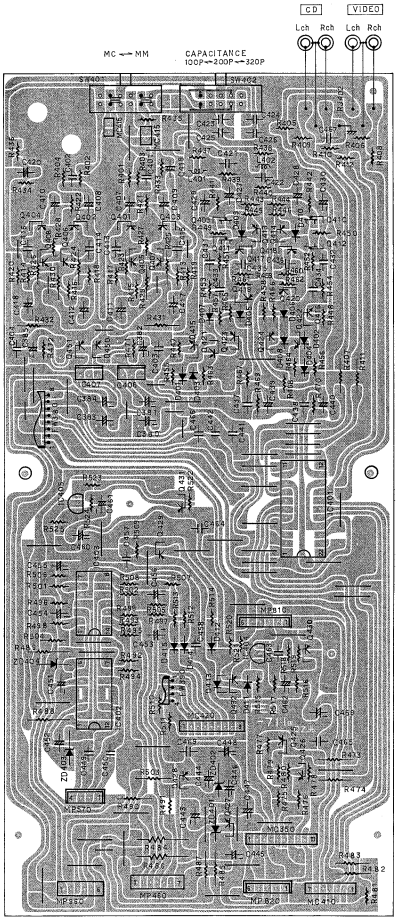
EQ Function Switch (FEQ-PCB)

(For A, A1, B, B1, C Version)

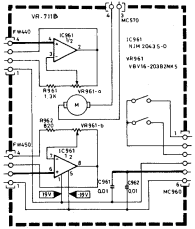


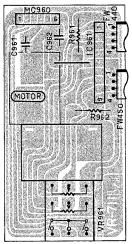
(For C1 Version)



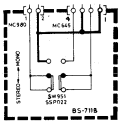


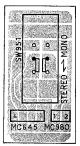
Main Volume (VR-PCB)



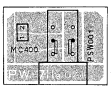


Bridging Switch (BS-PCB)

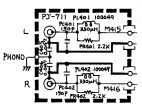


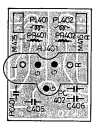


Power Switch (PW-PCB)

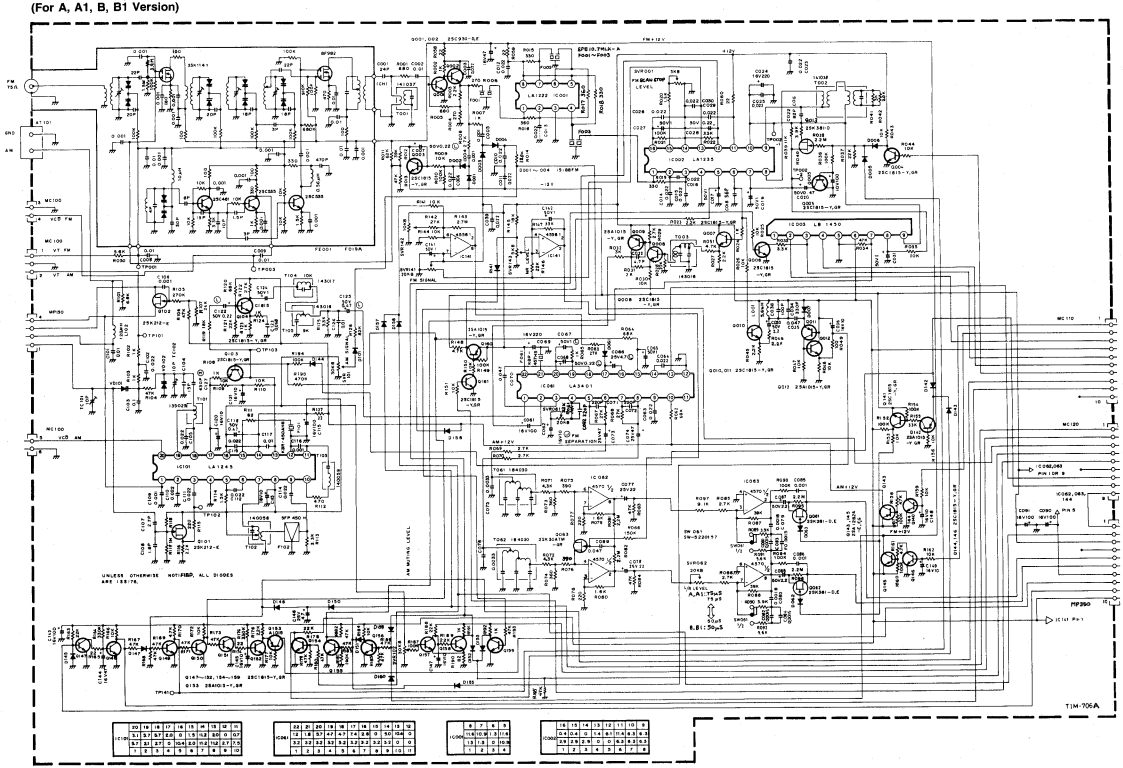


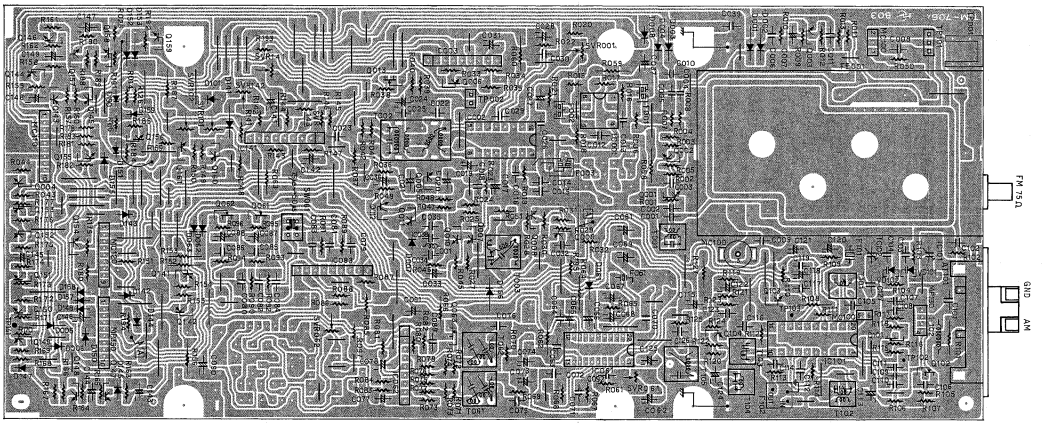
Phono Input Jack (PJ-PCB)
(For C1 Version)



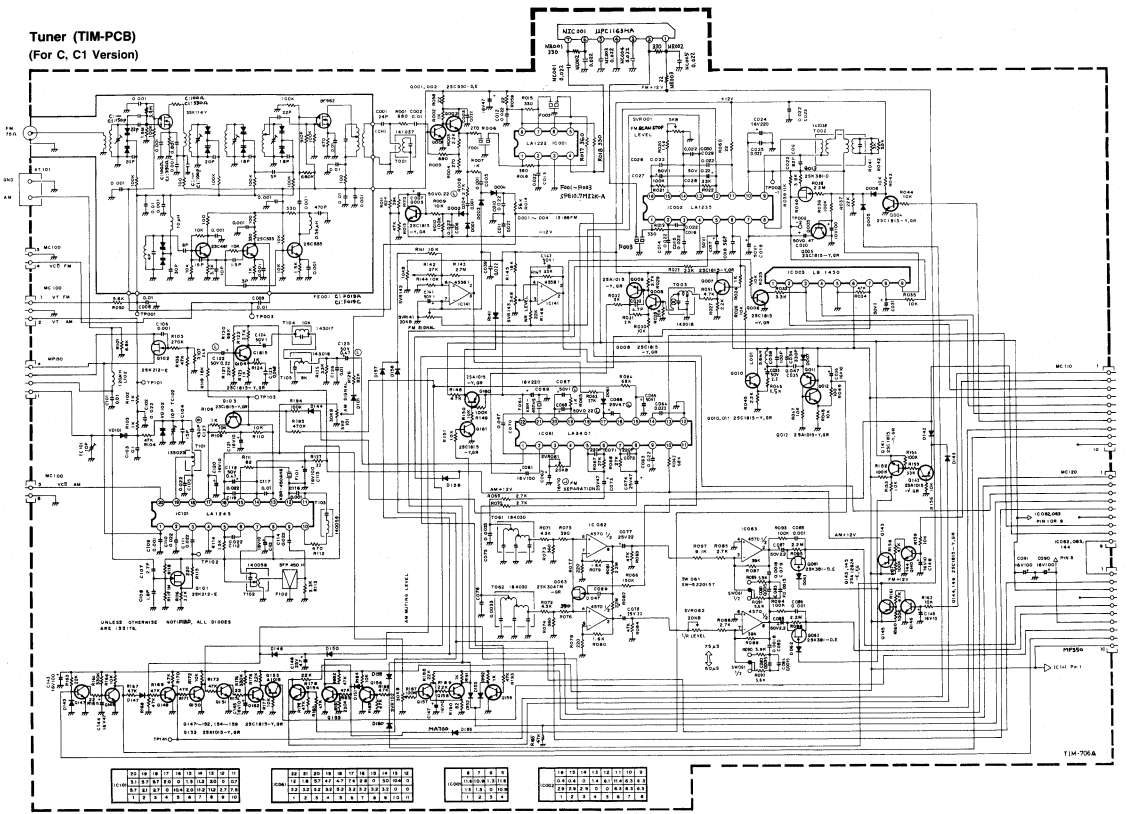


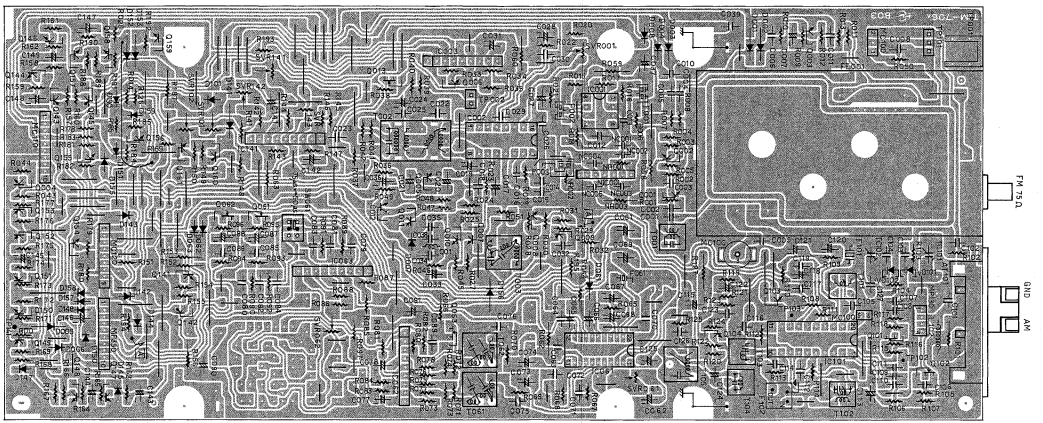
Tuner (TIM-PCB)
(For A, A1, B, B1 Version)




FM 75Ω
GND
AM

Tuner (TIM-PCB)
(For C, C1 Version)

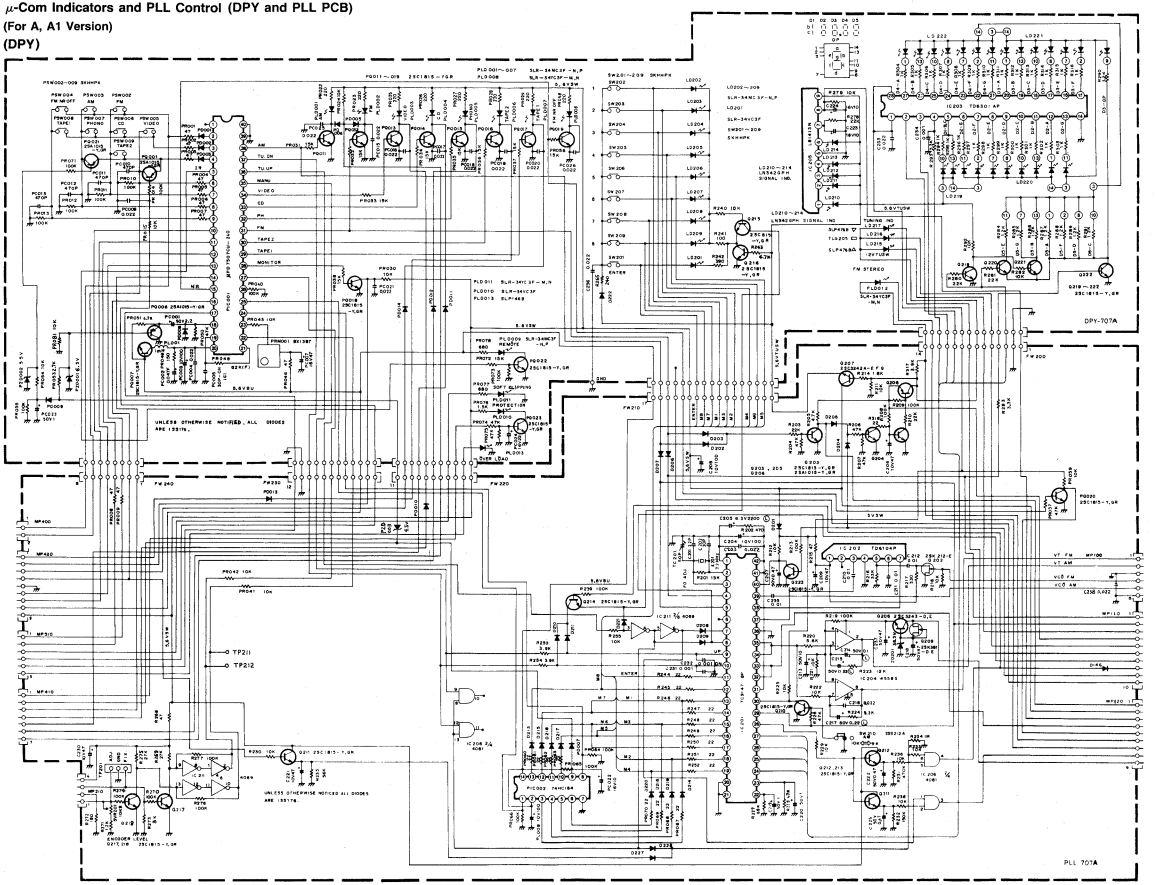



FM 75Ω
GND
AM

μ-Com Indicators and PLL Control (DPY and PLL PCB)

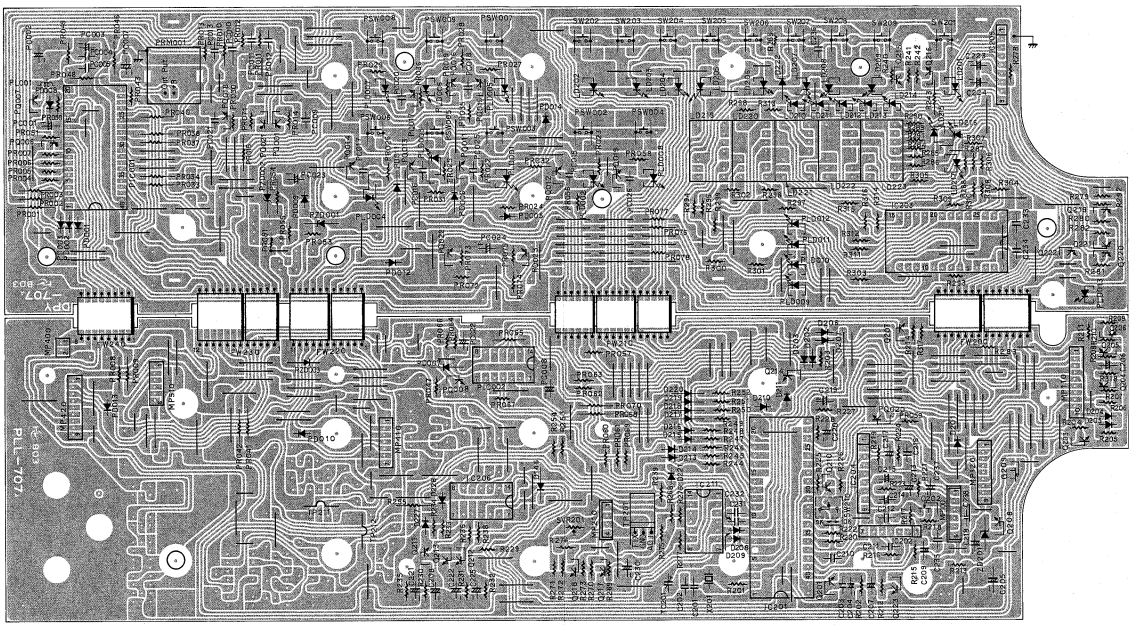
(For A, A1 Version)

(DPY)



(PLL)

(DPY)

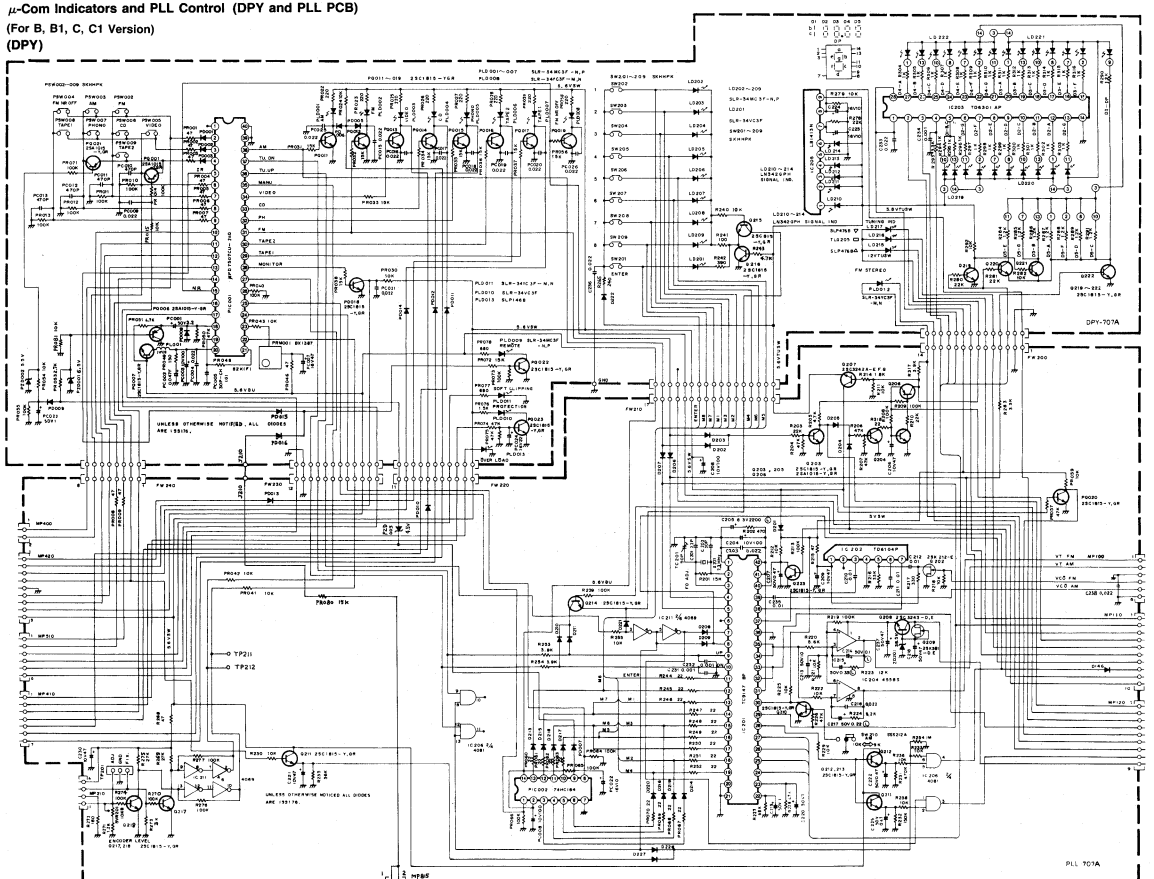


(PLL)

μ-Com Indicators and PLL Control (DPY and PLL PCB)

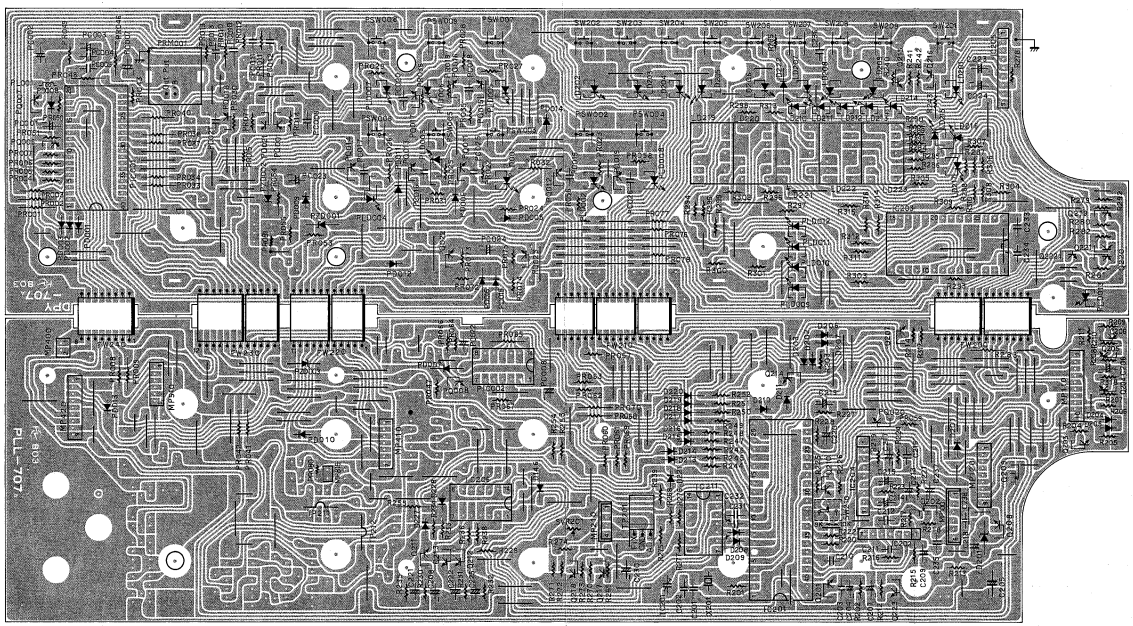
(For B, B1, C, C1 Version)

(DPY)



(PLL)

(DPY)

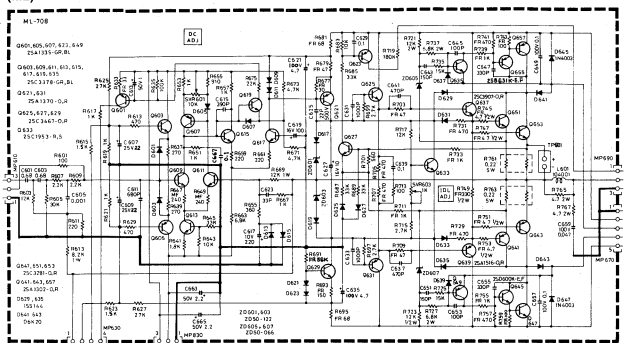


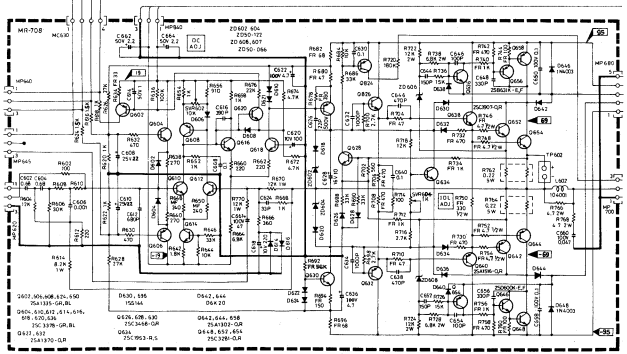
(PLL)

Main Amp L ch and R ch (ML and MR PCB)

(For A, A1 Version)

(ML)

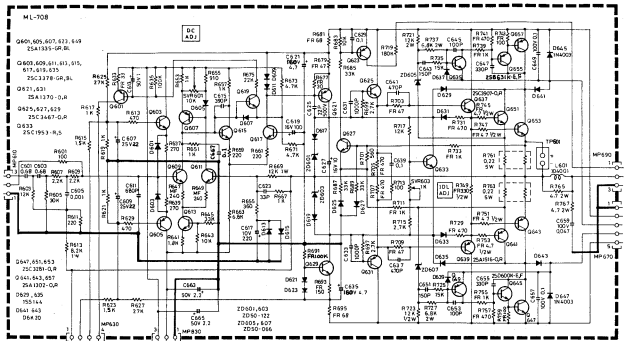


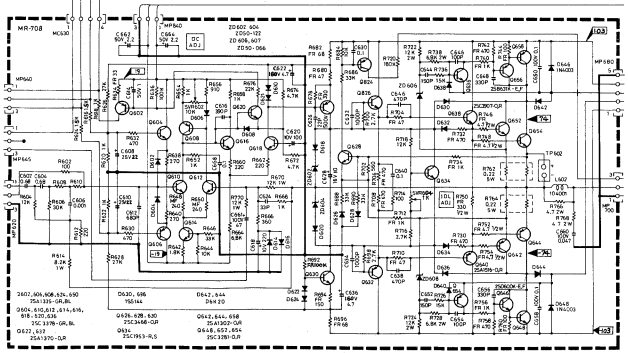


(MR)

(For B, B1, C, C1 Version)

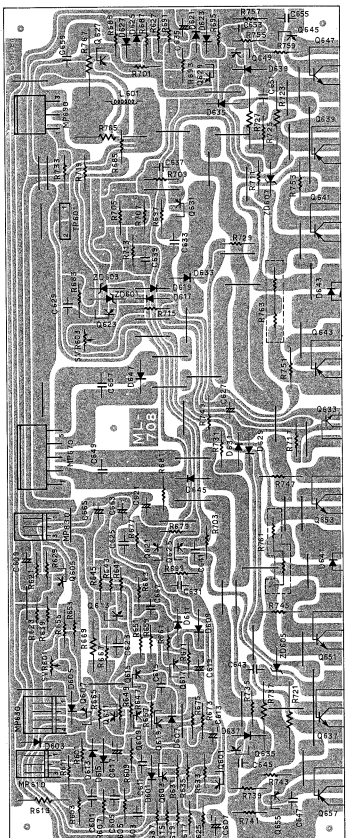
(ML)



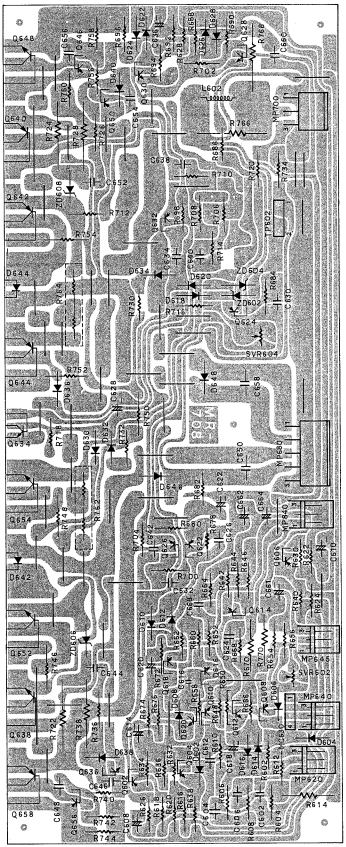


(MR)

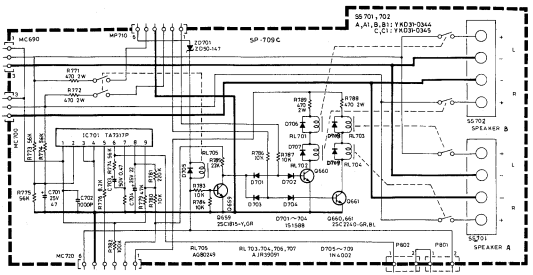
(ML)

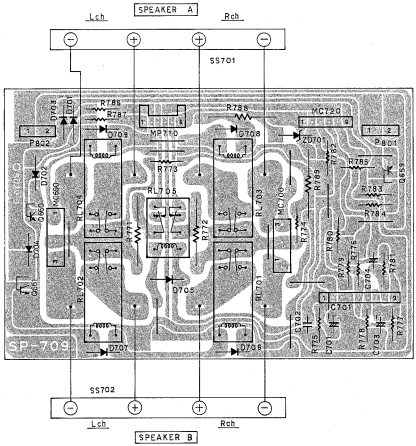


(MR)

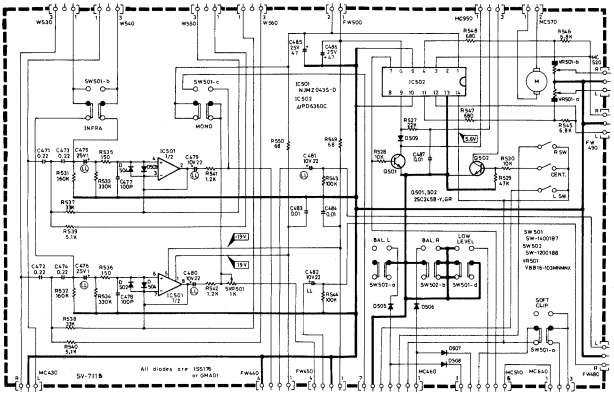


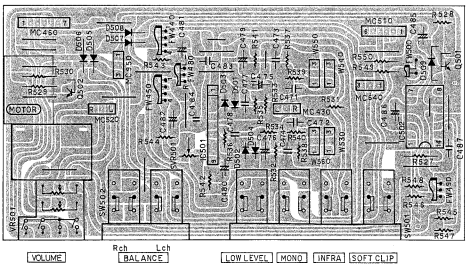
Speaker Terminal (SP-PCB)



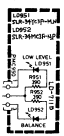


Audio Accessory (SV-PCB)

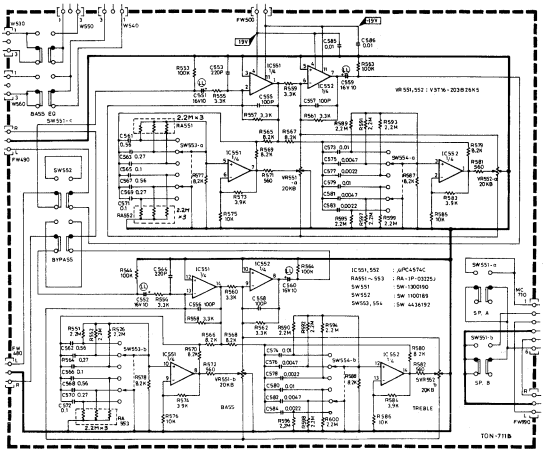


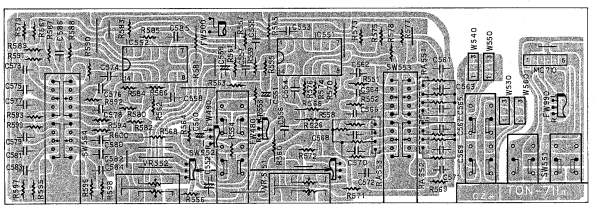


Indicators (LD-PCB)

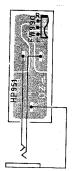


Tone (TON-PCB)



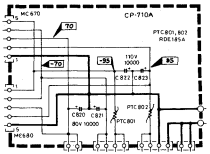


Headphone (HP-PCB)

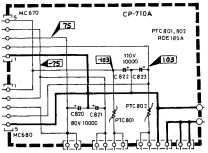


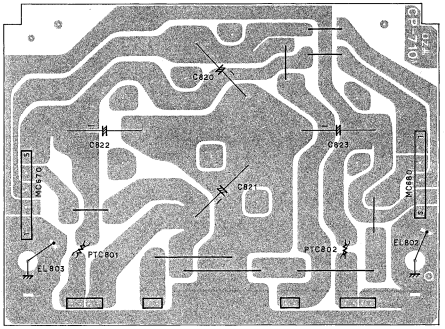
Filter Capacitor (CP-PCB)

(For A, A1 Version)



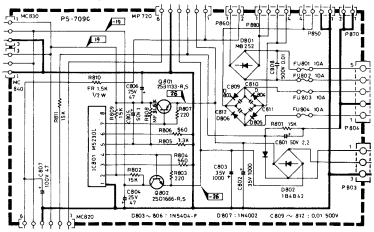
(For B, B1, C, C1 Version)

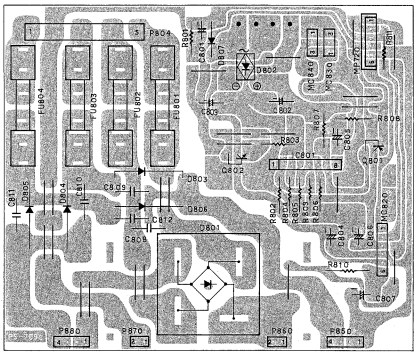




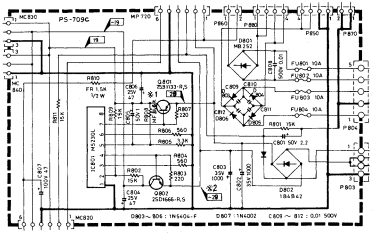
Main Power Supply (PS-PCB)

(For A1 Version)



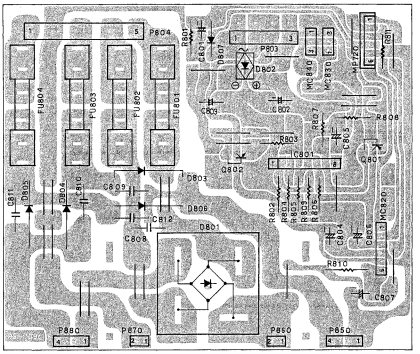


(For A, B, B1, C, C1 Version)

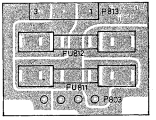


※1
A1 Version = 26
Other Version = 29

※2
A1 Version = −26
Other Version = −29

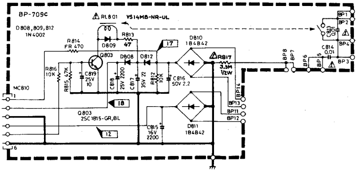


Fuse (FU-PCB)
(For A1, B, B1, C, C1 Version)



Back Up Power Supply (BP-PCB)

(For A, A1 Version)


BP-709C
D808, 809, 812
1N4002
RL801 VS14MB-NR-UL
R813
47
D809
R814
FR 470
D810
1B4B42
17
Q803
D808
D812
R817
3.3M
1/2W
R816
10K
R815 47K
C819
25V
10
C818
25V 2200
C817
35V 22
R812
10K
C816
50V 2.2
MC810
18
Q803
2SC1815-GR,BL
12
C815
16V
2200
D811
1B4B42
BP1
BP2
BP3
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BP6
BP7
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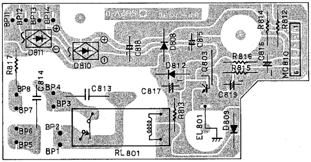
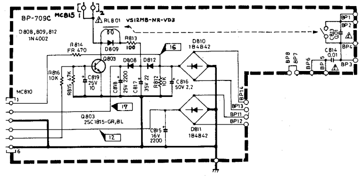
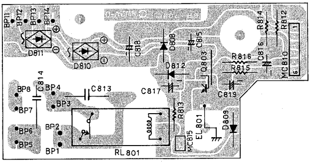
BP12
BP13
BP14
C813
0.01
C814
0.01



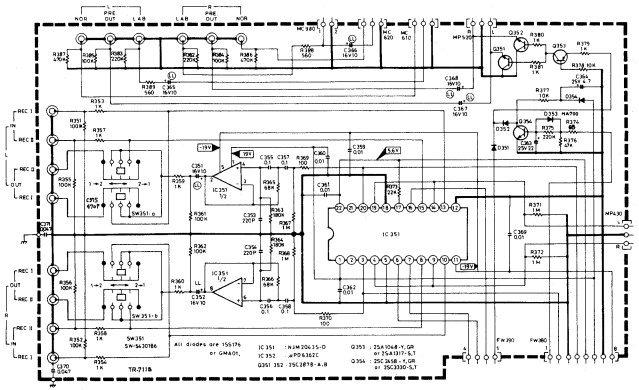
(For B, B1, C, C1 Version)

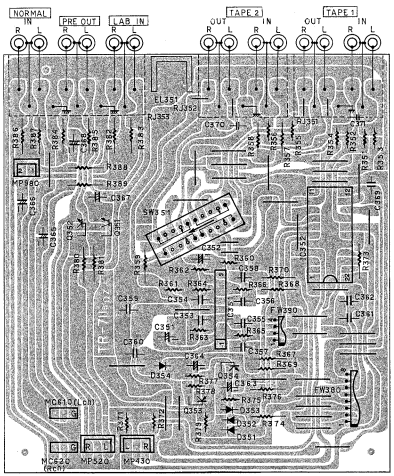

BP-709C
MC815
RL801 VS12MB-NR-VD3
D808, 809, 812
1N4002
R813
100
D809
R814
FR 470
16
D810
1B4B42
Q803
D808
D812
R816
10K
R815 47K
C819
25V
10
C818
25V 2200
C817
35V 22
R812
10K
C816
50V 2.2
MC810
17
Q803
2SC1815-GR,BL
12
C815
16V
2200
D811
1B4B42
BP1
BP2
BP3
BP4
BP5
BP6
BP7
BP8
BP11
BP12
BP13
BP14
C813
0.01
C814
0.01



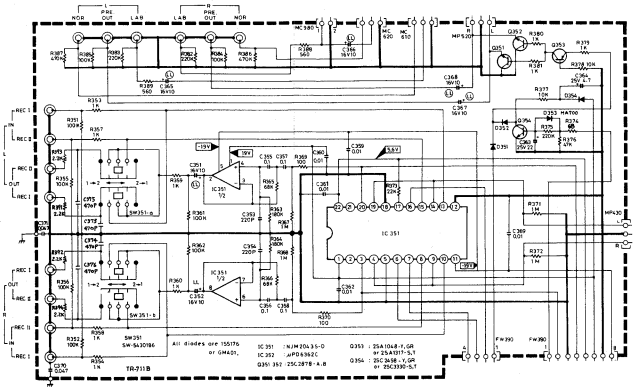
Tape Selector (TR-PCB)

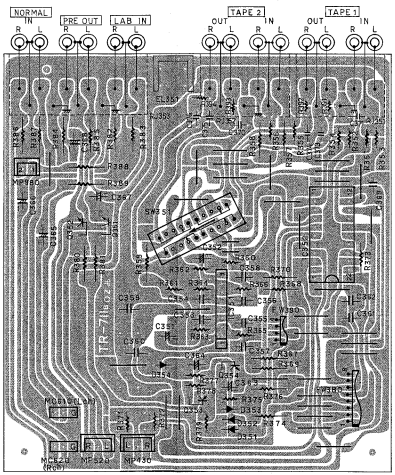
(For A, A1, B, B1, C Version)





(For C1 Version)

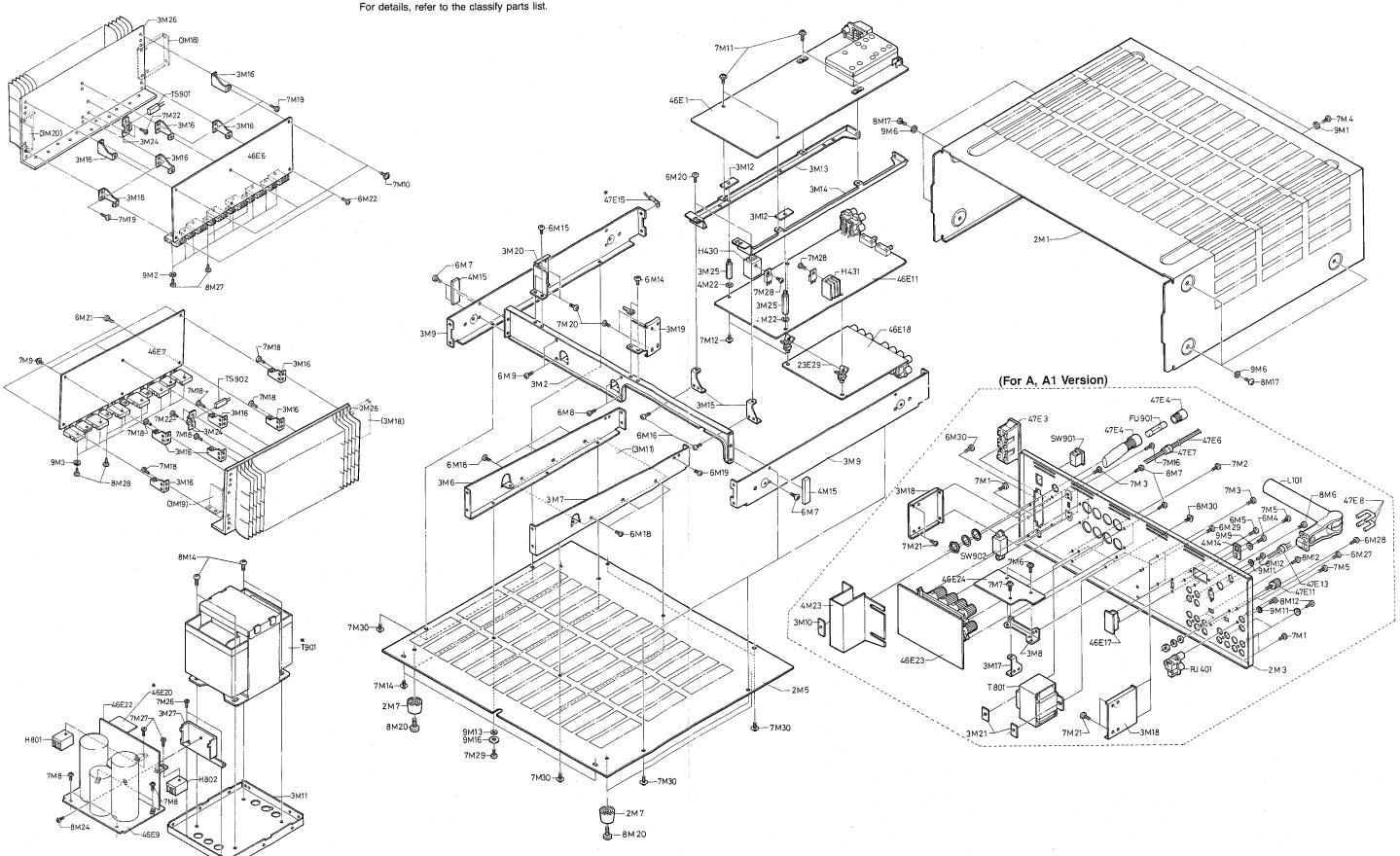




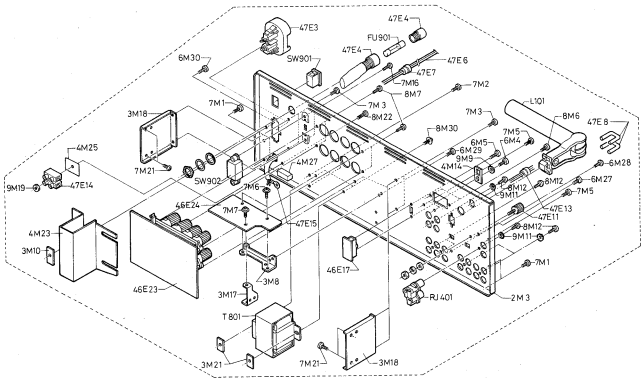
EXPLODED VIEW

Rear Panel and Chassis

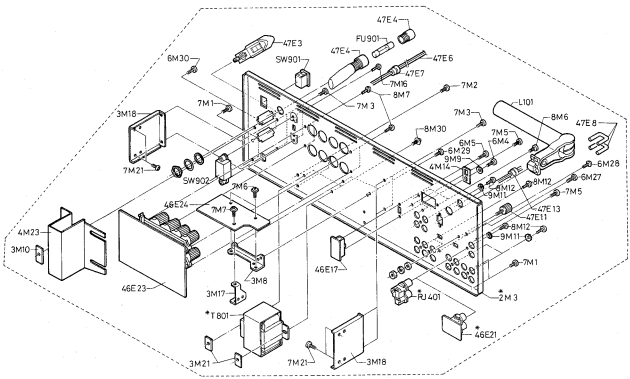
* Parts marked with * vary according to destinations.
For details, refer to the classify parts list.



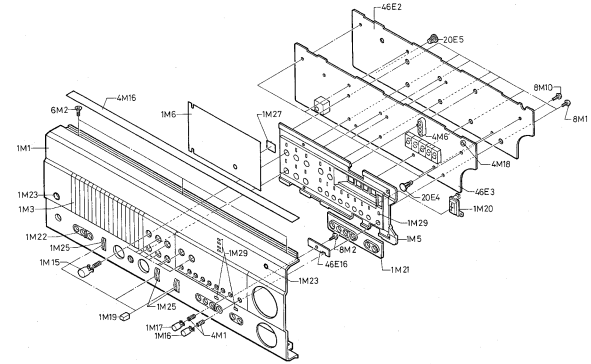
(For B1 Version)

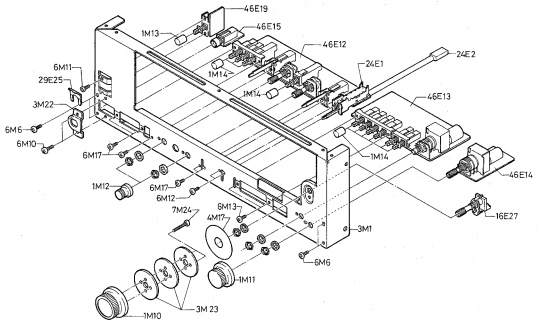


(For B, C, C1 Version)

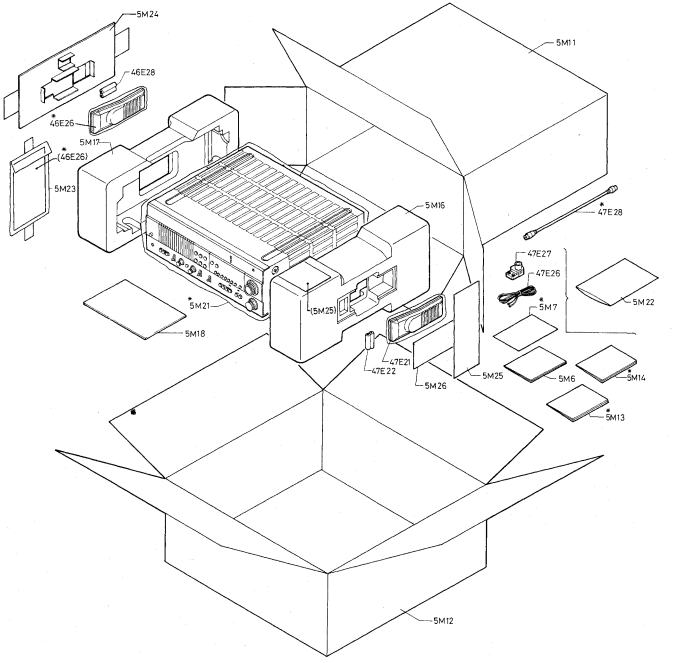


Front Panel


46E2
20E5
8M10
8M1
4M16
6M2
1M6
1M27
1M1
4M6
4M18
1M23
46E3
1M3
20E4
1M20
1M29
1M22
1M5
1M25
1M29
8M2
1M15
46E16
1M21
1M23
1M25
1M19
1M17
1M16
4M1


46E19
1M13
46E15
46E12
24E2
24E1
6M11
29E25
1M14
1M14
3M22
46E13
6M6
6M10
6M17
1M14
46E14
1M12
6M11
6M12
16E27
7M24
6M13
4M17
3M1
6M6
1M11
3M 23
1M10

Packing


5M24
46E28
46E26
5M17
46E261
5M23
5M11
5M16
47E28
47E27
47E26
5M7
5M22
5M21
5M18
5M25
47E21
47E22
5M26
5M25
5M6
5M14
5M13
5M12

PARTS LIST

● Parts marked with ✱ vary according to destinations. For details, refer to the classify parts list.

TUNER PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E 1	1	TIM-706A	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D001-004	4	1S188FM	DIODE
D005-008, 141-147, 149-156, 160	25	1SS176	DIODE
✱ 155			
Q001-002	2	2SC930NP-D+E	TRANSISTOR
Q003-008	6	2SC1815-Y+GR	TRANSISTOR
Q009	1	2SA1015-Y+GR	TRANSISTOR
Q010	1	2SC1815-Y+GR	TRANSISTOR
Q011	1	2SA1015-Y+GR	TRANSISTOR
Q012	1	2SC1815-Y+GR	TRANSISTOR
Q013	1	2SK301-0	TRANSISTOR
Q061-062	2	2SK301-D+E	TRANSISTOR
Q063	1	2SK30ATM-GR	TRANSISTOR
Q101-102	2	2SK212-E	TRANSISTOR
Q103-104, 141	3	2SC1815-Y+GR	TRANSISTOR
Q142	1	2SA1015-Y+GR	TRANSISTOR
Q143	1	2SA1282A-E+F+G	TRANSISTOR
Q144	1	2SC1815-Y+GR	TRANSISTOR
Q145	1	2SA1282A-E+F+G	TRANSISTOR
Q146-152	7	2SC1815-Y+GR	TRANSISTOR
Q153	1	2SA1015-Y+GR	TRANSISTOR
Q154-159	6	2SC1815-Y+GR	TRANSISTOR
Q160	1	2SA1015-Y+GR	TRANSISTOR
Q161	1	2SC1815-Y+GR	TRANSISTOR
IC001	1	LA1222	IC
IC002	1	LA1235	IC
IC003	1	LA1450	IC
IC061	1	LA3401	IC
IC062-063	2	UPC4570HA	IC
IC101	1	LA1245	IC
IC141	1	NJM4585	IC
VD101-102	2	KV1226-Y	DIODE
CAPACITORS			
C001	1	HE40SJCH240J	CERAMIC CAPACITOR
C002	1	CE25Y2R2M	ELECTROLYTIC CAPACITOR
C003	1	TP050F223Z	CERAMIC CAPACITOR
C004-005	2	UP050B102K	CERAMIC CAPACITOR
C006	1	TP050F223Z	CERAMIC CAPACITOR
C007	1	LL-50TW822M	LOW LEAK. ELECTROLYTIC CAP.
C008	1	ECQB1H103JZ	METALLIZED FILM CAPACITOR
C009	1	TP125X103N	CERAMIC CAPACITOR
C010-016	7	TP050F223Z	CERAMIC CAPACITOR
C017	1	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C018	1	UP050SL560J	CERAMIC CAPACITOR
C019	1	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C020	1	NS-50TW847M	ELECTROLYTIC CAPACITOR
C021	1	NS-10TW101M	ELECTROLYTIC CAPACITOR
C022	1	PK15C0B102J	CERAMIC CAPACITOR
C023	1	TP050F223Z	CERAMIC CAPACITOR
C024	1	NS-16TW221M	ELECTROLYTIC CAPACITOR
C025-026	2	TP050F223Z	CERAMIC CAPACITOR
C027	1	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C028	1	NS-50TWR22M	ELECTROLYTIC CAPACITOR
C029-030	2	TP050F223Z	CERAMIC CAPACITOR
C031	1	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C032	1	UP050SL482K	CERAMIC CAPACITOR
C033	1	NS-50TW2R2M	ELECTROLYTIC CAPACITOR
C034	1	UP050B101K	CERAMIC CAPACITOR
C035	1	MY-50VU473J	MYLAR CAPACITOR
C036	1	NS-10TW100M	ELECTROLYTIC CAPACITOR
C037	1	NS-16TW470M	ELECTROLYTIC CAPACITOR
C038	1	UP050B331K	CERAMIC CAPACITOR
C039	1	TP050F223Z	CERAMIC CAPACITOR
C061	1	NS-16TW101M	ELECTROLYTIC CAPACITOR
C062	1	LL-10TW100M	LOW LEAK. ELECTROLYTIC CAP.
C063-064	2	TP050F223Z	CERAMIC CAPACITOR
C065	1	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C066	1	LL-25TW47M	LOW LEAK. ELECTROLYTIC CAP.
C067	1	LL-50TW1R0M	LOW LEAK. ELECTROLYTIC CAP.
C068	1	LL-50TWR22M	LOW LEAK. ELECTROLYTIC CAP.
C069	1	NS-16TW221M	ELECTROLYTIC CAPACITOR
C070	1	MY-50VU473J	MYLAR CAPACITOR
C071-072	2	UP050B221K	CERAMIC CAPACITOR
C073-074	2	NS-25TW470M	ELECTROLYTIC CAPACITOR
C075-076	2	MY-50VU332J	MYLAR CAPACITOR
C077-078	2	NS-25TW220M	ELECTROLYTIC CAPACITOR
C079-080	2	MY-50VU182J	MYLAR CAPACITOR
C081-084	4	MY-50VU152J	MYLAR CAPACITOR
C085-086	2	MY-50VU103J	MYLAR CAPACITOR
C087-088	2	NS-50TW2R2M	ELECTROLYTIC CAPACITOR
C089	1	MY-50VU473J	MYLAR CAPACITOR
C090-091	2	NS-16TW101M	ELECTROLYTIC CAPACITOR
✱ C092	1	UP050B221K	CERAMIC CAPACITOR
C101	2	ECQB1H103JZ	METALLIZED FILM CAPACITOR
C102	1	ECQV1H223JZ	METALLIZED FILM CAPACITOR
C103	1	ECQV1H104JZ	METALLIZED FILM CAPACITOR
C104	1	UP050SL150J	CERAMIC CAPACITOR
C105	1	TP050F223Z	CERAMIC CAPACITOR
C106	1	UP050B102K	CERAMIC CAPACITOR
C107	1	UP050SL2R7K	CERAMIC CAPACITOR

REF. NO.	Q'TY	PART NO.	DESCRIPTION
C108	1	UP050SL180K	CERAMIC CAPACITOR
C109	1	UP050B102K	CERAMIC CAPACITOR
C110-112	3	TP050F223Z	CERAMIC CAPACITOR
C113	1	NS-16TW100M	ELECTROLYTIC CAPACITOR
C114	1	TP050F223Z	CERAMIC CAPACITOR
C115	1	NS-16TW101M	ELECTROLYTIC CAPACITOR
C116	1	UP050B102K	CERAMIC CAPACITOR
C117	1	EP050Y103N	CERAMIC CAPACITOR
C118	1	NS-50TWR47M	ELECTROLYTIC CAPACITOR
C119	1	TP050F223Z	CERAMIC CAPACITOR
C120-121	2	NS-16TW100M	ELECTROLYTIC CAPACITOR
C122	1	LL-50TWR22M	LOW LEAK. ELECTROLYTIC CAP.
C123	1	MY-50VU683J	MYLAR CAPACITOR
C124	1	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C125	1	LL-50TW847M	LOW LEAK. ELECTROLYTIC CAP.
C126	1	ECQB1H103JZ	METALIZED FILM CAPACITOR
C127	1	ST-50V331JJ	STYROL CAPACITOR
C141-142	2	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C143	1	NS-16TW101M	ELECTROLYTIC CAPACITOR
C144	1	NS-10TW470M	ELECTROLYTIC CAPACITOR
C145	1	NS-16TW100M	ELECTROLYTIC CAPACITOR
C146	1	NS-25TW4R7M	ELECTROLYTIC CAPACITOR
C147-149	3	NS-16TW100M	ELECTROLYTIC CAPACITOR
TC101-102	2	CTC-6U-010	TRIMMER CAPACITOR
RESISTORS			
R001	1	KA16ST681J	CARBON RESISTOR
R002	1	KA16ST102J	CARBON RESISTOR
R003	1	KA16ST222J	CARBON RESISTOR
R004	1	KA16ST271J	CARBON RESISTOR
R005	1	KA16ST681J	CARBON RESISTOR
R006	1	KA16ST271J	CARBON RESISTOR
R007	1	KA16ST102J	CARBON RESISTOR
R008	1	KA16ST272J	CARBON RESISTOR
R009	1	KA16ST103J	CARBON RESISTOR
R010	1	KA16ST104J	CARBON RESISTOR
R011	1	KA16ST623J	CARBON RESISTOR
R012	1	KA16ST393J	CARBON RESISTOR
R013	1	KA16ST473J	CARBON RESISTOR
✱ R014	1	KA16ST124J	CARBON RESISTOR
R015	1	KA16ST331J	CARBON RESISTOR
R016, 017	2	KA16ST361J	CARBON RESISTOR
R018-019	2	KA16ST331J	CARBON RESISTOR
R020	1	KA16ST152J	CARBON RESISTOR
R021	1	KA16ST104J	CARBON RESISTOR
R022	1	KA16ST333J	CARBON RESISTOR
R023	1	KA16ST222J	CARBON RESISTOR
R024	1	KA16ST102J	CARBON RESISTOR
R025, 026	2	KA16ST103J	CARBON RESISTOR
R027	1	KA16ST222J	CARBON RESISTOR
R028	1	KA16ST203J	CARBON RESISTOR
R029	1	KA16ST272J	CARBON RESISTOR
R030	1	KA16ST103J	CARBON RESISTOR
R031	1	KA16ST202J	CARBON RESISTOR
R032	1	KA16ST302J	CARBON RESISTOR
R033	1	KA16ST152J	CARBON RESISTOR
R034	1	KA16ST473J	CARBON RESISTOR
R035	1	KA16ST103J	CARBON RESISTOR
R036	1	KA16ST104J	✱ CARBON RESISTOR
R037	1	KA16ST223J	✱ CARBON RESISTOR
R038	1	KA16ST225J	CARBON RESISTOR
R039	1	KA16ST113J	CARBON RESISTOR
R040	1	KA16ST392J	CARBON RESISTOR
R041	1	KA16ST302J	CARBON RESISTOR
R042	1	KA16ST204J	CARBON RESISTOR
R043-044	2	KA16ST103J	CARBON RESISTOR
R045	1	KA16ST222J	CARBON RESISTOR
✱ R046	1	KA16ST222J	CARBON RESISTOR
R047-048	2	KA16ST103J	CARBON RESISTOR
R049	1	KA16ST104J	CARBON RESISTOR
R050	1	KA16ST562J	CARBON RESISTOR
R051	1	KA16ST472J	CARBON RESISTOR
R058-060	3	KA25ST220J-LP	CARBON RESISTOR
✱ R061	1	KA16ST223J	CARBON RESISTOR
R062	1	KA16ST683J	CARBON RESISTOR
R063	1	KA16ST273J	CARBON RESISTOR
R064	1	KA16ST683J	CARBON RESISTOR
R065	1	KA16ST102J	CARBON RESISTOR
R066	1	KA16ST154J	CARBON RESISTOR
R067-068	2	KA16ST273J	CARBON RESISTOR
R069-070	2	KA16ST272J	CARBON RESISTOR
R071-072	2	KA16ST473J	CARBON RESISTOR
R073-074	2	KA16ST361J	CARBON RESISTOR
R075-076	2	KA16ST391J	CARBON RESISTOR
R077-078	2	KA16ST221J	CARBON RESISTOR
R079-080	2	KA16ST102J	CARBON RESISTOR
R081-082	2	KA16ST225J	CARBON RESISTOR
R083-084	2	KA16ST473J	CARBON RESISTOR
R085-086	2	KA16ST272J	CARBON RESISTOR
R087-088	2	KA16ST393J	CARBON RESISTOR
R089-090	2	KA16ST392J	CARBON RESISTOR
R091-092	2	KA16ST562J	CARBON RESISTOR
R093-094	2	KA16ST104J	CARBON RESISTOR
R095-096	2	KA16ST225J	CARBON RESISTOR
R097	1	KA16ST912J	CARBON RESISTOR
R101	1	KA50X682J	CARBON RESISTOR
R102-103	2	KA16ST102J	CARBON RESISTOR
R104	1	KA16ST473J	CARBON RESISTOR
R105	1	KA16ST274J	CARBON RESISTOR
R106	1	KA16ST473J	CARBON RESISTOR
R107	1	KA16ST243J	CARBON RESISTOR
R108	1	KA16ST102J	CARBON RESISTOR
R109-110	2	KA16ST103J	CARBON RESISTOR

REF. NO.	Q'TY	PART NO.	DESCRIPTION
R111	1	KA16ST820J	CARBON RESISTOR
R112	1	KA16ST471J	CARBON RESISTOR
R113	1	KA16ST332J	CARBON RESISTOR
R114	1	KA16ST152J	CARBON RESISTOR
R115	1	KA16ST221J	CARBON RESISTOR
R116	1	KA16ST222J	CARBON RESISTOR
R117~118	2	KA16ST105J	CARBON RESISTOR
R119	1	KA16ST183J	CARBON RESISTOR
R120	1	KA16ST685J	CARBON RESISTOR
R121	1	KA16ST223J	CARBON RESISTOR
R122	1	KA16ST272J	CARBON RESISTOR
R123~124	2	KA16ST102J	CARBON RESISTOR
R125	1	KA16ST332J	CARBON RESISTOR
R126	1	KA16ST823J	CARBON RESISTOR
R127	1	KA255T220J-LP	CARBON RESISTOR
R141	1	KA16ST103J	CARBON RESISTOR
R142	1	KA16ST273J	CARBON RESISTOR
R143	1	KA16ST275J	CARBON RESISTOR
R144	1	KA16ST683J	CARBON RESISTOR
R145	1	KA16ST183J	CARBON RESISTOR
R146	1	KA16ST223J	CARBON RESISTOR
R147	1	KA16ST333J	CARBON RESISTOR
R148	1	KA16ST472J	CARBON RESISTOR
R149	1	KA16ST104J	CARBON RESISTOR
R150~151	2	KA16ST105J	CARBON RESISTOR
R152	1	KA16ST104J	CARBON RESISTOR
R153	1	KA16ST103J	CARBON RESISTOR
R154	1	KA16ST104J	CARBON RESISTOR
R155	1	KA16ST333J	CARBON RESISTOR
R156	1	KA16ST103J	CARBON RESISTOR
R157	1	KA16ST104J	CARBON RESISTOR
R158	1	KA16ST272J	CARBON RESISTOR
R159	1	KA16ST103J	CARBON RESISTOR
R160	1	KA16ST104J	CARBON RESISTOR
R161	1	KA16ST272J	CARBON RESISTOR
R162	1	KA16ST103J	CARBON RESISTOR
R163	1	KA16ST223J	CARBON RESISTOR
R164	1	KA16ST334J	CARBON RESISTOR
R165	1	KA16ST220J	CARBON RESISTOR
R166	1	KA16ST103J	CARBON RESISTOR
R167~169	3	KA16ST473J	CARBON RESISTOR
R170	1	KA16ST472J	CARBON RESISTOR
R171	1	KA16ST473J	CARBON RESISTOR
R172	1	KA16ST103J	CARBON RESISTOR
R173	1	KA16ST473J	CARBON RESISTOR
R174	1	KA16ST220J	CARBON RESISTOR
R175	1	KA16ST224J	CARBON RESISTOR
R176	1	KA16ST222J	CARBON RESISTOR
R177	1	KA16ST103J	CARBON RESISTOR
R178	1	KA16ST223J	CARBON RESISTOR
R179~180	2	KA16ST473J	CARBON RESISTOR
✱R181	1	KA16ST104J	CARBON RESISTOR
R182~183	2	KA16ST473J	CARBON RESISTOR
R184	1	KA16ST103J	CARBON RESISTOR
R185~186	2	KA16ST473J	CARBON RESISTOR
R187	1	KA16ST104J	CARBON RESISTOR
R188~189	2	KA16ST223J	CARBON RESISTOR
R190	1	KA16ST820J	CARBON RESISTOR
R191~192	2	KA16ST102J	CARBON RESISTOR
R193	1	KA16ST473J	CARBON RESISTOR
R194	1	KA16ST104J	CARBON RESISTOR
R195	1	KA16ST474J	CARBON RESISTOR
R196	1	KA16ST563J	CARBON RESISTOR
SVR001	1	SVR-06T3B502	SEMI-VARIABLE
SVR061	1	SVR-06T3B203M	SEMI-VARIABLE RESISTOR
SVR062	1	SVR-06T3B203	SEMI-VARIABLE
SVR101~102	2	SVR-06T3B303	SEMI-VARIABLE
SVR141	1	SVR-06T3B205	SEMI-VARIABLE
SVR142	1	SVR-06T3B103	SEMI-VARIABLE
SVR143	1	SVR-06T3B502	SEMI-VARIABLE
COILS			
L001	1	LNL06562J	INDUCTOR
L102	1	LAL03121K	INDUCTOR
T001	1	141037	FM IFT
T002	1	141038	FM DET COIL
T003	1	143016	FILTER COIL
T061~062	2	1B4030	FILTER BLOCK
T101	1	135025	MW OSC COIL
T102	1	140058	MW IFT
T103	1	140059	MW IFT
T104	1	143017	FILTER COIL
T105	1	143018	FILTER COIL
SWITCHES			
SW061	1	SW-5220157	SLIDE SWITCH
MISCELLANEOUS			
✱FO01~003	3	SFE10.7MLK-A	10.7MHZ FILTER
FO61	1	KBR-457NS	CERAMIC FILTER 457KHZ
FI01	1	KBR-450AHAB	CERAMIC FILTER
FI02	1	SFPA50H	CERAMIC FILTER
1E 2	1	M1698	GND LUG
1E 5	2	59B51692	GND LUG
1W29	1	0075260005-J-J	SOLDER PLATED WIRE
1W30	1	0075260718-J-J	SOLDER PLATED WIRE
7E12	1	IL-S04P52T2-EF	CONNECTOR
9E19	1	MC06-631	MICRO SOCKET ASS'Y
9E20	1	MK09-624	MICRO SOCKET ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
9E21	1	MK10-625	MICRO SOCKET ASS'Y
AT101	1	PT-C02P01	TERMINAL 2P
✱FE001	1	F019A	FRONT END
MP350	1	B10B-PH-K	CONNECTOR
TP002	1	IMSA-1068-02A	MINI TERMINAL PLATE
TP101	1	IMSA-1068-03A	MINI TERMINAL PLATE
TP102~103, 1A1	3	MK-10160	TERMINAL PIN
11E22	55	5E-T05	JUMP WIRE
11E23	44	4E-T05	JUMP WIRE

PLL CONTROL PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E 2	1	PLL-707A	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D146~201~211~213~221~227, 228	23	1SS176	DIODE
Q201	1	2SC1815-Y+GR	TRANSISTOR
Q202	1	2SK212-K	TRANSISTOR
Q203~205	3	2SC1815-Y+GR	TRANSISTOR
Q206	1	2SA1015-Y+GR	TRANSISTOR
Q207	1	2SC3242A-L+F+G	TRANSISTOR
Q208	1	2SC3243-D±E	TRANSISTOR
Q209	1	2SK381-D±E	TRANSISTOR
Q210~214, 217~218, 223	8	2SC1815-Y+GR	TRANSISTOR
IC201	1	TC9147BP	IC
IC202	1	TD6104P	IC
IC204	1	NJM4556S	IC
IC206	1	LC4001B	IC
IC211	1	LC4069UB	IC
PD007,010, 013	3	1SS176	DIODE
PQ008~020	2	2SC1815-Y+GR	TRANSISTOR
ZD201	1	RD3VE-B1	ZENER DIODE
PIC002	1	LC74HC164	IC
PZD003	1	ZD5O-045	ZENER DIODE
CAPACITORS			
C201	1	UP050CH2R2K	CERAMIC CAPACITOR
C202	1	HE505JCH300J	CERAMIC CAPACITOR
C203	1	TP050F223Z	CERAMIC CAPACITOR
C204	1	NS-10TW101M	ELECTROLYTIC CAPACITOR
C205	1	LL-4R3T4222MKF	LOW LEAK. ELECTROLYTIC CAP.
C206	1	NS-10TW470M	ELECTROLYTIC CAPACITOR
C207	1	NS-50TW47M	ELECTROLYTIC CAPACITOR
C208	1	NS-10TW221M	ELECTROLYTIC CAPACITOR
C209	1	NS-10TW470M	ELECTROLYTIC CAPACITOR
C210~212	3	EPO50Y103M	CERAMIC CAPACITOR
C213	1	NS-50TW100M	ELECTROLYTIC CAPACITOR
C214	1	LL-50TW010M	LOW LEAK. ELECTROLYTIC CAP.
C215	1	LL-50TW033M	LOW LEAK. ELECTROLYTIC CAP.
C216	1	MY-50VU223J	MYLAR CAPACITOR
C217	1	LL-50TW022M	LOW LEAK. ELECTROLYTIC CAP.
C218	1	NS-50TW470M	ELECTROLYTIC CAPACITOR
C219~220	2	NS-50TW101M	ELECTROLYTIC CAPACITOR
C221	1	NS-10TW470M	ELECTROLYTIC CAPACITOR
C222~225	2	NS-50TW47M	ELECTROLYTIC CAPACITOR
C230	1	NS-10TW470M	ELECTROLYTIC CAPACITOR
C231~232	2	UP050B102K	CERAMIC CAPACITOR
C235	1	EPO50Y103N	CERAMIC CAPACITOR
C237	1	NS-50TW470M	ELECTROLYTIC CAPACITOR
C238	1	TP050F223Z	CERAMIC CAPACITOR
PC008	1	NS-10TW101M	ELECTROLYTIC CAPACITOR
PC022	1	NS-16TW100M	ELECTROLYTIC CAPACITOR
TC201	1	CTC-6H-050	TRIMMER CAPACITOR
RESISTORS			
R201	1	KA16ST153J	CARBON RESISTOR
R202	1	KA16ST471J	CARBON RESISTOR
R203	1	KA16ST223J	CARBON RESISTOR
R204	1	KA16ST473J	CARBON RESISTOR
R205	1	KA16ST472J	CARBON RESISTOR
R206~207	2	KA16ST473J	CARBON RESISTOR
R208~209	2	KA16ST104J	CARBON RESISTOR
R210	1	KA16ST223J	CARBON RESISTOR
R211~212	2	KA16ST103J	CARBON RESISTOR
R213	1	KA16ST104J	CARBON RESISTOR
R214	1	KA16ST102J	CARBON RESISTOR
R215	1	KA16ST470J	CARBON RESISTOR
R216	1	KA16ST333J	CARBON RESISTOR

REF. NO.	Q'TY	PART NO.	DESCRIPTION
R217	1	RA165T351J	CARBON RESISTOR
R218	1	RA165T103J	CARBON RESISTOR
R219	1	RA165T104J	CARBON RESISTOR
R220~222	3	RA165T103J	CARBON RESISTOR
R223	1	RA165T123J	CARBON RESISTOR
R224	1	RA165TB22J	CARBON RESISTOR
R225	1	RA165T103J	CARBON RESISTOR
R226	1	RA165TA73J	CARBON RESISTOR
R227	1	RA165T683J	CARBON RESISTOR
R228	1	RA165T473J	CARBON RESISTOR
R229•230	2	RA165T103J	CARBON RESISTOR
R231	1	RA165TA74J	CARBON RESISTOR
R232	1	RA165T154J	CARBON RESISTOR
R233	1	RA165T103J	CARBON RESISTOR
R234	1	RA165T105J	CARBON RESISTOR
R235	1	RA165T563J	CARBON RESISTOR
R236•238	2	RA165T103J	CARBON RESISTOR
R239	1	RA165T104J	CARBON RESISTOR
R244•252	9	RA165T220J	CARBON RESISTOR
R253•254	2	RA165T392J	CARBON RESISTOR
R255	1	RA165T103J	CARBON RESISTOR
R268	1	RA165TA74J	CARBON RESISTOR
R269	1	RA165T273J	CARBON RESISTOR
R270	1	RA165T104J	CARBON RESISTOR
R271	1	RA165T122J	CARBON RESISTOR
R272	1	RA165T181J	CARBON RESISTOR
R273	1	RA165T104J	CARBON RESISTOR
R274	1	RA165T104J	CARBON RESISTOR
R275	1	RA165T273J	CARBON RESISTOR
R276•277	2	RA165T104J	CARBON RESISTOR
R283	1	RA165T332J	CARBON RESISTOR
R317	1	RA165T182J	CARBON RESISTOR
R318	1	RA165T220J	CARBON RESISTOR
PR008•009	2	RA165TA70J	CARBON RESISTOR
PR041•042	2	RA165T103J	CARBON RESISTOR
PR047	1	RA165T104J	CARBON RESISTOR
PR057	1	RA165TA73J	CARBON RESISTOR
PR059	1	RA165TA74J	CARBON RESISTOR
PR060~063	4	RA165T220J	CARBON RESISTOR
PR064~066	3	RA165T104J	CARBON RESISTOR
PR067~070	4	RA165T220J	CARBON RESISTOR
SVR201	1	RH0614C-103	SEMI-VARIABLE RESISTOR
SWITCHES			
SW210	1	SSS212A	SLIDE SWITCH
MISCELLANEOUS			
X201	1	HC18/U7.200MHZ	QUARTZ OSCILLATOR UNIT
1W11	3	2HJS265806-J-J	5-LEAD, FLAT CABLE
1W13	3	2HJS268006-J-J	6-LEAD, FLAT CABLE
1W15	3	2HJS267806-J-J	7-LEAD, FLAT CABLE
1W17	1	2HJS268806-J-J	8-LEAD, FLAT CABLE
MP100	1	06B-EH-A	CONNECTOR
MP110	1	010B-PH-K	CONNECTOR
MP120	1	09B-PH-K	CONNECTOR
MP210	1	04B-EH-A	CONNECTOR
MP400	1	02B-PH-K	CONNECTOR
MP410	1	07B-PH-K	CONNECTOR
MP420	1	08B-PH-K	CONNECTOR
MP510	1	06B-PH-K	CONNECTOR
TP201	1	171826-3	MICRO PLUG
20E 1	89	5E-T05	JUMP WIRE
20E 2	30	4E-T05	JUMP WIRE
20E 8	2	IPS-1034-3	JUMP WIRE

U -COM INDICATORS PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E 3	1	DPY-707A	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D222	1	1SS176	DIODE
Q215•216, 219~222	6	2SC1815-Y•GR	TRANSISTOR
IC203	1	TD6301AP	IC
IC205	1	LB1413N	IC
LD201	1	SLR-34VC3F	LED
LD202~209	8	SLR-34MC3F-M•P	LED
LD210~214	5	LN34GPH	LED
LD215	1	SLPA76B	LED
LD216	1	TLG205	LED
LD217	1	SLPA76B	LED
LD219~223	5	LN514RA	LED
PD001•003, 005•006, 008•009, 011•012, 014	10	1SS176	DIODE
PQ001•006	2	2SA1015-Y•GR	TRANSISTOR

REF. NO.	Q'TY	PART NO.	DESCRIPTION
PQ007•011~019	10	2SC1815-Y•GR	TRANSISTOR
PQ021	1	2SA1015-Y•GR	TRANSISTOR
PQ022•023	2	2SC1815-Y•GR	TRANSISTOR
12E10	1	ZD50-066	ZENER DIODE, 1/2W, 6.6V
PIC001	1	UPD7507CU-24-0	IC
PLD001~007	7	SLR-34MC3F-M•P	LED
PLD008	1	SLR-34VC3F-M•N	LED
PLD009	1	SLR-34MC3F-M•P	LED
PLD010	1	SLR-34VC3F	LED
PLD011•012	2	SLR-34YC3F-M•N	LED
PLD013	1	SLP146B	LED
PZD002	1	ZD50-055	ZENER DIODE•1/2W•5.5V
CAPACITORS			
C223•224	2	S7-16TW100M	ELECTROLYTIC CAPACITOR
C233	1	TP050F223Z	CERAMIC CAPACITOR
C234	1	UP050B102K	CERAMIC CAPACITOR
C236	1	TP050F223Z	CERAMIC CAPACITOR
PC001	1	S7-50TW2R2M	ELECTROLYTIC CAPACITOR
PC002	1	EECF5R5U473Z	GOLD CAPACITOR
PC003	1	S7-10TW101M	ELECTROLYTIC CAPACITOR
PC004	1	TP050F223Z	CERAMIC CAPACITOR
PC005	1	HE50SJCH504G	CERAMIC CAPACITOR
PC007	1	S7-16TW470M	ELECTROLYTIC CAPACITOR
PC009	1	TP050F223Z	CERAMIC CAPACITOR
PC010~013	4	UP050B471K	CERAMIC CAPACITOR
PC015~021	7	TP050F223Z	CERAMIC CAPACITOR
PC023	1	S7-50TW100M	ELECTROLYTIC CAPACITOR
PC024	1	S7-16TW220M	ELECTROLYTIC CAPACITOR
PC025•026	2	TP050F223Z	CERAMIC CAPACITOR
RESISTORS			
R240	1	RA165T103J	CARBON RESISTOR
R241	1	RA165T101J	CARBON RESISTOR
R242	1	RA165T391J	CARBON RESISTOR
R243	1	RA165T472J	CARBON RESISTOR
R265	1	RA165T241J	CARBON RESISTOR
R278	1	RA165T223J	CARBON RESISTOR
R279	1	RA165T103J	CARBON RESISTOR
R280•281	2	RA165T223J	CARBON RESISTOR
R282	1	RA165T103J	CARBON RESISTOR
R284•291	8	RA165T122J	CARBON RESISTOR
R292	1	RA165T103J	CARBON RESISTOR
R293	1	RA165T332J	CARBON RESISTOR
R294~316	23	RA165T102J	CARBON RESISTOR
PR001~007	7	RA165T470J	CARBON RESISTOR
PR010~014	5	RA165T104J	CARBON RESISTOR
PR015	1	RA165T103J	CARBON RESISTOR
PR022•023	2	RA165T221J	CARBON RESISTOR
PR024	1	RA165T103J	CARBON RESISTOR
PR025~029	5	RA165T823J	CARBON RESISTOR
PR030	1	RA165T103J	CARBON RESISTOR
PR031~038	8	RA165T153J	CARBON RESISTOR
PR040	1	RA165T474J	CARBON RESISTOR
PR043	1	RA165T103J	CARBON RESISTOR
PR046	1	RA165T474J	CARBON RESISTOR
PR048	1	MF25ST823F	METAL FILM RESISTOR
PR049	1	RA165T151J	CARBON RESISTOR
PR050	1	RA165T473J	CARBON RESISTOR
PR051	1	RA165T472J	CARBON RESISTOR
PR053	1	RA165T272J	CARBON RESISTOR
PR054	1	RA165T103J	CARBON RESISTOR
PR055	1	RA165T104J	CARBON RESISTOR
PR056	1	RA165T153J	CARBON RESISTOR
PR058	1	RA165T221J	CARBON RESISTOR
PR071	1	RA165T104J	CARBON RESISTOR
PR072	1	RA165T153J	CARBON RESISTOR
PR073	1	RA165T104J	CARBON RESISTOR
PR074•075	2	RA165T473J	CARBON RESISTOR
PR076	1	RA165T152J	CARBON RESISTOR
PR077•078	2	RA165T681J	CARBON RESISTOR
PR081	1	RA165T103J	CARBON RESISTOR
COILS			
PL001	1	LAL03102K	INDUCTOR
SWITCHES			
SW201~209	9	SKHHPX	TACT SWITCH
PSW002~009	8	SKHHPX	TACT SWITCH
MISCELLANEOUS			
4M 7	2	N45090A	SHIELD CUSHION
4M 8	3	N44997	SHIELD CUSHION
4M 9	21	N42557-4	WASHER
4M10	1	N42557-5	WASHER
4M11	1	N42557-7	WASHER
4M12	2	N42557-9	WASHER
4M13	2	N42557-A	WASHER
4M24	1	N44127-1	SHIELD PAPER
4M28	1	N45223	FC CUSHION
4M29	1	N45226	FC CUSHION
15E15	74	5E-T05	JUMP WIRE
15E16	20	4E-T05	JUMP WIRE
15E18	1	R-020-20	CABLE ASS'Y
PRM001	1	BX1387	REMOTE SIGNAL RECEIVING UNIT

MAIN AMP L CH PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
A6E 6	1	ML-708	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D601+603, 605+607, 609+611, 613+615, 617+619, 621+623, 625+627	14	151588	DIODE
D629	1	155144	DIODE
D631,633	2	151588	DIODE
D635	1	155144	DIODE
D637+639	2	151588	DIODE
D641+643	2	D6K20	DIODE
D645+647	2	1N4003	DIODE
Q601	1	2SA1335-GR	TRANSISTOR
Q603	1	2SC3378-GR	TRANSISTOR
Q605+607	2	2SA1335-GR	TRANSISTOR
Q609+611+613+615+617+619	6	2SC3378-GR	TRANSISTOR
Q621	1	2SA1370-E+F	TRANSISTOR
Q623	1	2SA1335-GR	TRANSISTOR
Q625+627+629	3	2SC3467-E+F	TRANSISTOR
Q631	1	2SA1370-E+F	TRANSISTOR
Q633	1	2SC1953-R+S	TRANSISTOR
Q635	1	2SC3378-GR	TRANSISTOR
Q637	1	2SC3907-R+O	TRANSISTOR
Q639	1	2SA1516-R+O	TRANSISTOR
Q641+643	2	2SA1302-R+O	TRANSISTOR
Q645	1	2SD600K-E+F	TRANSISTOR
Q647	1	2SC3324-R+O	TRANSISTOR
Q649	1	2SA1335-GR	TRANSISTOR
Q651+653	2	2SC3281-R+O	TRANSISTOR
Q655	1	2SB631K-E+F	TRANSISTOR
Q657	1	2SA1302-R+O	TRANSISTOR
ZD601+603	2	ZD50-122	ZENER DIODE,1/2W±2.2V
ZD605+607	2	ZD50-066	ZENER DIODE, 1/2W± 6.6V
CAPACITORS			
C601+603	2	ECQV1H684JZ	METALLIZED FILM CAPACITOR
C605	1	MY-50VU102J	MYLAR CAPACITOR
C607+609	2	NS-25TW220M	ELECTROLYTIC CAPACITOR
C611	1	HE-JSL601K	CERAMIC CAPACITOR
C613	1	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C615	1	HE90SJSL391K	CERAMIC CAPACITOR
C617	1	NS-1UTW221M	ELECTROLYTIC CAPACITOR
C619	1	NS-16TW101M	ELECTROLYTIC CAPACITOR
* C621	1	NS100TW4R7M	ELECTROLYTIC CAPACITOR
C623	1	HE40SJSL330K	CERAMIC CAPACITOR
C625	1	HM03SJH220K	CERAMIC CAPACITOR
C627	1	NS-16TW100M	ELECTROLYTIC CAPACITOR
C629	1	ECQV1H104JZ	METALLIZED FILM CAPACITOR
C631+633	2	HE40SJY0102M	CERAMIC CAPACITOR
* C635	1	NS100TW4R7M	ELECTROLYTIC CAPACITOR
C637	1	HE90SJSL471K	CERAMIC CAPACITOR
C639	1	ECQV1H104JZ	METALLIZED FILM CAPACITOR
C641	1	HE90SJSL471K	CERAMIC CAPACITOR
C643	1	HE60SJSL151K	CERAMIC CAPACITOR
C645	1	HE50SJSL101K	CERAMIC CAPACITOR
C647	1	HE80SJSL331K	CERAMIC CAPACITOR
C649	1	MY100VS104K-KF	MYLAR CAPACITOR
C651	1	HE60SJSL151K	CERAMIC CAPACITOR
C653	1	HE50SJSL101K	CERAMIC CAPACITOR
C655	1	HE80SJSL331K	CERAMIC CAPACITOR
C657	1	MY100VS104K-KF	MYLAR CAPACITOR
C659	1	MY100VS473K	MYLAR CAPACITOR
C663+665	2	NS-50TW2R2M	ELECTROLYTIC CAPACITOR
C667	1	ECQV1H104JZ	METALLIZED FILM CAPACITOR
RESISTORS			
R601	1	KA25ST101J	CARBON RESISTOR
R603	1	KA25ST123J	CARBON RESISTOR
R605	1	KA25ST303J	CARBON RESISTOR
R607+609	2	KA25ST222J	CARBON RESISTOR
R611	1	KA25ST221J	CARBON RESISTOR
R613	1	SA-1WT822J-LP	METAL OXIDE RESISTOR
R615	1	KA25ST152J	CARBON RESISTOR
R617+619+621	3	KA25ST102J	CARBON RESISTOR
R623	1	KA25ST152J	CARBON RESISTOR
R625+627	2	KA25ST273J	CARBON RESISTOR
R629+631	2	KA25ST471J	CARBON RESISTOR
R633	1	FR25ST330J-LP	FLAME PROOF RESISTOR
R635	1	KA25ST104J	CARBON RESISTOR
R637+639	2	KA25ST271J	CARBON RESISTOR
R641	1	KA25ST182J	CARBON RESISTOR
R643	1	KA25ST103J	CARBON RESISTOR
R645	1	KA25ST333J	CARBON RESISTOR
R647+649	2	MF25ST24JF	METAL OXIDE RESISTOR
R651+653	2	KA25ST102J	CARBON RESISTOR
R655	1	KA25ST911J	CARBON RESISTOR
R657	1	KA25ST102J	CARBON RESISTOR
R659+661	2	KA25ST221J	CARBON RESISTOR
R663	1	KA25ST682J	CARBON RESISTOR
R665	1	KA25ST361J	CARBON RESISTOR
R667	1	KA25ST102J	CARBON RESISTOR
R669	1	SA-1WT123J-LP	METAL OXIDE RESISTOR
R671+673	2	KA25ST472J	CARBON RESISTOR

REF. NO.	Q'TY	PART NO.	DESCRIPTION
R675	1	KA25ST223J	CARBON RESISTOR
R677	1	FR25ST331J-LP	FLAME PROOF RESISTOR
R679	1	FR25ST470J-LP	FLAME PROOF RESISTOR
R681	1	FR25ST680J-LP	FLAME PROOF RESISTOR
R683	1	KA25ST103J	CARBON RESISTOR
R685	1	KA25ST333J	CARBON RESISTOR
R687+689	2	FR25ST333J	FLAME PROOF RESISTOR
* R691	1	FR25ST563J	FLAME PROOF RESISTOR
R693	1	FR25ST151J-LP	FLAME PROOF RESISTOR
R695	1	FR25ST680J-LP	FLAME PROOF RESISTOR
R697+699	2	FR25ST272J	FLAME PROOF RESISTOR
R701	1	KA25ST564J	CARBON RESISTOR
R703	1	FR25ST470J-LP	FLAME PROOF RESISTOR
R705+707	2	FR25ST471J-LP	FLAME PROOF RESISTOR
R709	1	FR25ST470J-LP	FLAME PROOF RESISTOR
R711	1	FR25ST102J-LP	FLAME PROOF RESISTOR
R713	1	KA25ST101J	CARBON RESISTOR
R715	1	KA25ST272J	CARBON RESISTOR
R717	1	KA25ST123J	CARBON RESISTOR
R719	1	KA25ST184J	CARBON RESISTOR
R721+723	2	SA-2WT123J-LP	METAL OXIDE RESISTOR
R725	1	KA25ST154J	CARBON RESISTOR
R727	1	SA-2WT682J-LP	METAL OXIDE RESISTOR
R729+731	2	FR25ST471J-LP	FLAME PROOF RESISTOR
R733	1	FR25ST102J-LP	FLAME PROOF RESISTOR
R735	1	KA25ST153J	CARBON RESISTOR
R737	1	SA-2WT682J-LP	METAL OXIDE RESISTOR
R739	1	FR25ST102J-LP	FLAME PROOF RESISTOR
R741	1	FR25ST471J-LP	FLAME PROOF RESISTOR
R743	1	FR25ST101J-LP	FLAME PROOF RESISTOR
R745+747	2	FR50ST682J-LP	FLAME PROOF RESISTOR
R749	1	FR50ST331J-LP	FLAME PROOF RESISTOR
R751+753	2	FR50ST682J-LP	FLAME PROOF RESISTOR
R755	1	FR25ST102J-LP	FLAME PROOF RESISTOR
R757	1	FR25ST471J-LP	FLAME PROOF RESISTOR
R759	1	FR25ST101J-LP	FLAME PROOF RESISTOR
R761+763	2	MPC72ZR22KX2LF	CEMENT RESISTOR
R765+767	2	SA-2WT682J-LP	METAL OXIDE RESISTOR
SVR601	1	SVR-0853B103	SEMI-VARIABLE RESISTOR
SVR603	1	SVR-0853B102	SEMI-VARIABLE RESISTOR
COILS			
L601	1	104001	AIR-CORE COIL
MISCELLANEOUS			
MP610	1	S3B-EH	CONNECTOR
MP630	1	S4B-EH	CONNECTOR
MP650	1	S3B-EH	CONNECTOR
MP670	1	B5P5-VH	CONNECTOR
MP690	1	B3P5-VH	CONNECTOR
TP601	1	WB-2	TERMINAL PIN
33E 3	6	AC262	MICA
33E 6	2	AC238	MICA
36E16	47	5E-T05	JUMP WIRE
36E17	2	IPS-1041-9	JUMP WIRE

MAIN AMP R CH PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
A6E 7	1	MR-708	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D602+604, 606+608, 610+612, 614+616, 618+620, 622+624, 626+628	14	151588	DIODE
D630	1	155144	DIODE
D632+634	2	151588	DIODE
D636	1	155144	DIODE
D638+640	2	151588	DIODE
D642+644	2	D6K20	DIODE
D646+648	2	1N4003	DIODE
Q602	1	2SA1335-GR	TRANSISTOR
Q604	1	2SC3378-GR	TRANSISTOR
Q606+608	2	2SA1335-GR	TRANSISTOR
Q610+612+614+616+618+620	6	2SC3378-GR	TRANSISTOR
Q622	1	2SA1370-E+F	TRANSISTOR
Q624	1	2SA1335-GR	TRANSISTOR
Q626+628+630	3	2SC3467-E+F	TRANSISTOR
Q632	1	2SA1370-E+F	TRANSISTOR
Q634	1	2SC1953-R+S	TRANSISTOR
Q636	1	2SC3378-GR	TRANSISTOR
Q638	1	2SC3907-R+O	TRANSISTOR
Q640	1	2SA1516-R+O	TRANSISTOR
Q642+644	2	2SA1302-R+O	TRANSISTOR
Q646	1	2SD600K-E+F	TRANSISTOR
Q648	1	2SC3281-R+O	TRANSISTOR
Q650	1	2SA1335-GR	TRANSISTOR
Q652+654	2	2SC3281-R+O	TRANSISTOR
Q656	1	2SB631K-E+F	TRANSISTOR

REF. NO.	Q'TY	PART NO.	DESCRIPTION
Q658	1	2SA1302-R+O	TRANSISTOR
Z0602+604	2	Z050-122	ZENER DIODE,1/2W±12.2V
Z0606+608	2	Z050-066	ZENER DIODE, 1/2W± 6.6V
CAPACITORS			
C602+604	2	ECQV1H684JZ	METALLIZED FILM CAPACITOR
C606	1	MY-50V0102J	MYLAR CAPACITOR
C608+610	2	NS-25TW220M	ELECTROLYTIC CAPACITOR
C612	1	HE11SJSL681K	CERAMIC CAPACITOR
C614	1	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C616	1	HE90SJSL391K	CERAMIC CAPACITOR
C618	1	NS-10TW221M	ELECTROLYTIC CAPACITOR
C620	1	NS-16TW101M	ELECTROLYTIC CAPACITOR
* C622	1	NS100TW47M	ELECTROLYTIC CAPACITOR
C624	1	HE40SJSL330K	CERAMIC CAPACITOR
C626	1	HM05SJSH220K	CERAMIC CAPACITOR
C628	1	NS-16TW100M	ELECTROLYTIC CAPACITOR
C630	1	ECQV1H104JZ	METALLIZED FILM CAPACITOR
C632+634	2	HE40SJV0102M	CERAMIC CAPACITOR
* C636	1	NS100TW47M	ELECTROLYTIC CAPACITOR
C638	1	HE90SJSL471K	CERAMIC CAPACITOR
C640	1	ECQV1H104JZ	METALLIZED FILM CAPACITOR
C642	1	HE40SJSL471K	CERAMIC CAPACITOR
C644	1	HE60SJSL151K	CERAMIC CAPACITOR
C646	1	HE50SJSL101K	CERAMIC CAPACITOR
C648	1	HE80SJSL331K	CERAMIC CAPACITOR
C650	1	MY100V5104K-KF	MYLAR CAPACITOR
C652	1	HE60SJSL151K	CERAMIC CAPACITOR
C654	1	HE50SJSL101K	CERAMIC CAPACITOR
C656	1	HE80SJSL331K	CERAMIC CAPACITOR
C658	1	MY100V5104K-KF	MYLAR CAPACITOR
C660	1	MY100V5473K	MYLAR CAPACITOR
C661	1	NS107W479M-KF	ELECTROLYTIC CAPACITOR
C662+664	2	NS-50TW2R2M	ELECTROLYTIC CAPACITOR
C668	1	ECQV1H104JZ	METALLIZED FILM CAPACITOR
RESISTORS			
R602	1	KA25ST101J	CARBON RESISTOR
R604	1	KA25ST123J	CARBON RESISTOR
R606	1	KA25ST393J	CARBON RESISTOR
R608+610	2	KA25ST222J	CARBON RESISTOR
R612	1	KA25ST221J	CARBON RESISTOR
R614	1	SA-1WT222J-LP	METAL OXIDE RESISTOR
R616	1	KA25ST152J	CARBON RESISTOR
R618+620+622	3	KA25ST102J	CARBON RESISTOR
R624	1	KA25ST152J	CARBON RESISTOR
R626+628	2	KA25ST273J	CARBON RESISTOR
R630+632	2	KA25ST471J	CARBON RESISTOR
R634	1	FR25ST393J-LP	FLAME PROOF RESISTOR
R636	1	KA25ST104J	CARBON RESISTOR
R638+640	2	KA25ST271J	CARBON RESISTOR
R642	1	KA25ST182J	CARBON RESISTOR
R644	1	KA25ST103J	CARBON RESISTOR
R646	1	KA25ST153J	CARBON RESISTOR
R648+650	2	MF25ST24↓F	METAL OXIDE RESISTOR
R652+654	2	KA25ST102J	CARBON RESISTOR
R656	1	KA25SF91↓J	CARBON RESISTOR
R658	1	KA25ST183J	CARBON RESISTOR
R660+662	2	KA25ST221J	CARBON RESISTOR
R664	1	KA25ST682J	CARBON RESISTOR
R666	1	KA25ST396J	CARBON RESISTOR
R668	1	KA25ST102J	CARBON RESISTOR
R670	1	SA-1WT123J-LP	METAL OXIDE RESISTOR
R672+674	2	KA25ST472J	CARBON RESISTOR
R676	1	KA25ST223J	CARBON RESISTOR
R678	1	FR25ST333J-LP	FLAME PROOF RESISTOR
R680	1	FR25ST470J-LP	FLAME PROOF RESISTOR
R682	1	FR25ST680J-LP	FLAME PROOF RESISTOR
R684	1	KA25ST103J	CARBON RESISTOR
R686	1	KA25ST333J	CARBON RESISTOR
R688+690	2	FR25ST333J	FLAME PROOF RESISTOR
* R692	1	FR25ST563J	FLAME PROOF RESISTOR
R694	1	FR25ST153J-LP	FLAME PROOF RESISTOR
R696	1	FR25ST680J-LP	FLAME PROOF RESISTOR
R698+700	2	FR25ST272J	FLAME PROOF RESISTOR
R702	1	KA25ST561J	CARBON RESISTOR
R704	1	FR25ST470J-LP	FLAME PROOF RESISTOR
R706+708	2	FR25ST471J-LP	FLAME PROOF RESISTOR
R710	1	FR25ST470J-LP	FLAME PROOF RESISTOR
R712	1	FR25ST102J-LP	FLAME PROOF RESISTOR
R714	1	KA25ST103J	CARBON RESISTOR
R716	1	KA25ST272J	CARBON RESISTOR
R718	1	KA25ST123J	CARBON RESISTOR
R720	1	KA25ST184J	CARBON RESISTOR
R722+724	2	SA-2WT123J-LP	METAL OXIDE RESISTOR
R726	1	KA25ST153J	CARBON RESISTOR
R728	1	SA-2WT682J-LP	METAL OXIDE RESISTOR
R730+732	2	FR25ST471J-LP	FLAME PROOF RESISTOR
R734	1	FR25ST102J-LP	FLAME PROOF RESISTOR
R736	1	KA25ST153J	CARBON RESISTOR
R738	1	SA-2WT682J-LP	METAL OXIDE RESISTOR
R740	1	FR25ST102J-LP	FLAME PROOF RESISTOR
R742	1	FR25ST471J-LP	FLAME PROOF RESISTOR
R744	1	FR25ST101J-LP	FLAME PROOF RESISTOR
R746+748	2	FR50ST682J-LP	FLAME PROOF RESISTOR
R750	1	FR50ST331J-LP	FLAME PROOF RESISTOR
R752+754	2	FR50ST682J-LP	FLAME PROOF RESISTOR
R756	1	FR25ST102J-LP	FLAME PROOF RESISTOR
R758	1	FR25ST471J-LP	FLAME PROOF RESISTOR
R760	1	FR25ST101J-LP	FLAME PROOF RESISTOR
R762+764	2	MPC72222K2LF	CEMENT RESISTOR
R766+768	2	SA-2WT682J-LP	METAL OXIDE RESISTOR
R770	1	SA-1WT123J-LP	METAL OXIDE RESISTOR

REF. NO.	Q'TY	PART NO.	DESCRIPTION
SVR602	1	SVR-0853B103	SEMI-VARIABLE RESISTOR
SVR604	1	SVR-0853B102	SEMI-VARIABLE RESISTOR
COILS			
L602	1	104001	AIR-CORE COIL
MISCELLANEOUS			
MC630	1	MC04-606	MICRO SOCKET ASS'Y
MP620+640+645+660	4	538-EH	CONNECTOR
MP680	1	B5PS-VH	CONNECTOR
MP700	1	B3PS-VH	CONNECTOR
TP602	1	WB-2	TERMINAL PIN
37E 3	6	AC262	MICA
37E 6	2	AC238	MICA
40E16	49	5E-T05	JUMP WIRE
40E17	2	IPS-1041-9	JUMP WIRE

MAIN POWER SUPPLY PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E22	1	P5-709C	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D001	1	M4252	DIODE
D802	1	1N4842	DIODE
D803-806	4	1N5404-F	DIODE
D807	1	1N4002	DIODE
Q801	1	2SB1133-R↓S	TRANSISTOR
Q802	1	2SD1666-R↓S	TRANSISTOR
IC801	1	M5230L	IC
CAPACITORS			
C801	1	NS-50TW2R2M	ELECTROLYTIC CAPACITOR
C802+803	2	S1A=35TW102MKF	ELECTROLYTIC CAPACITOR
C804	1	NS-25TW470M	ELECTROLYTIC CAPACITOR
C805	1	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C806	1	NS-25TW470M	ELECTROLYTIC CAPACITOR
C807	1	NS100TW470K-KF	ELECTROLYTIC CAPACITOR
C808~812	5	HM15SJYD103M	CERAMIC CAPACITOR
RESISTORS			
R801↑802	2	KA25ST153J	CARBON RESISTOR
R803	1	KA25ST221J	CARBON RESISTOR
R804	1	KA25ST561J	CARBON RESISTOR
R805	1	MF25ST332F	METAL FILM RESISTOR
R806	1	KA25ST561J	CARBON RESISTOR
R807	1	KA25ST221J	CARBON RESISTOR
R808	1	MF25ST3162F	METAL FILM RESISTOR
R809	1	KA25ST153J	CARBON RESISTOR
R810	1	FR50ST152J-LP	FLAME PROOF RESISTOR
R811	1	KA25ST153J	CARBON RESISTOR
MISCELLANEOUS			
* P803	1	WB-3	TERMINAL PIN
P804	1	WB-5	TERMINAL PIN
P850	1	1MSA-1068-04D	MINI TERMINAL PLATE
P860+870	2	1MSA-1068-02D	MINI TERMINAL PLATE
P880	1	1MSA-1068-04D	MINI TERMINAL PLATE
* FU801-804	4	FU-621034-312	FUSE
MC820	1	MC06-609	MICRO SOCKET ASS'Y
MC830	1	MC03-602	MICRO SOCKET ASS'Y
MC840	1	MC03-603	MICRO SOCKET ASS'Y
MP720	1	B6B-EH-A	CONNECTOR
* 41E14	8	S-N5051	FUSE HOLDER
42E14	22	5E-T05	JUMP WIRE

SPEAKER TERMINAL PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E23	1	SP-709C	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D701~704	4	1S1588	DIODE
D705~709	5	1N4002	DIODE
Q659	1	2SC1815-GR	TRANSISTOR
Q660↑661	2	2SC2240-GR	TRANSISTOR
IC701	1	TA7317P	IC
Z0701	1	Z050-147	ZENER DIODE±1/2W±14.7V
CAPACITORS			
C701	1	NS-25TW470M	ELECTROLYTIC CAPACITOR
C702	1	HE40SJYD102M	CERAMIC CAPACITOR

REF. No.	Q'TY	PART NO.	DESCRIPTION
C703	1	NS-50TW847M	ELECTROLYTIC CAPACITOR
C704	1	NS-25TW220M	ELECTROLYTIC CAPACITOR
RESISTORS			
R771~772	2	SA-2WT471J-LP	METAL OXIDE RESISTOR
R773~775	3	KA2SS563J	CARBON RESISTOR
R776	1	KA2SS822J	CARBON RESISTOR
R777	1	KA2SS333J	CARBON RESISTOR
R778	1	KA2SS563J	CARBON RESISTOR
R779	1	KA2SS473J	CARBON RESISTOR
R780	1	KA2SS103J	CARBON RESISTOR
R781	1	KA2SS224J	CARBON RESISTOR
R782	1	KA2SS104J	CARBON RESISTOR
R783,784	2	KA2SS103J	CARBON RESISTOR
R785	1	KA2SS223J	CARBON RESISTOR
R786,787	2	KA2SS103J	CARBON RESISTOR
R788,789	2	SA-2WT471J-LP	METAL OXIDE RESISTOR
MISCELLANEOUS			
P801~802	2	W8-2	TERMINAL PIN
MC690~700	2	MA03-617	MICRO SOCKET ASS'Y
MC720	1	MC06-607	MICRO SOCKET ASS'Y
MP710	1	S6B-PH-K	CONNECTOR
RL701~704	4	AJR39091	RELAY
RL705	1	AG80249	RELAY
✻ SS701~702	2	YKD31-0344	SPEAKER SOCKET 4P
43E29	11	5E-T05	JUMP WIRE

BACK UP POWER SUPPLY PCB ASS'Y

REF. No.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E24	1	BP-709C	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D808~809	2	1N4002	DIODE
D810~811	2	1B4B42	DIODE
D812	1	1N4002	DIODE
Q803	1	2SC1815-GR	TRANSISTOR
CAPACITORS			
✻ C813~814	2	ECQU1A103MH	METALLIZED FILM CAPACITOR
C815	1	NS-16TW222M-KF	ELECTROLYTIC CAPACITOR
C816	1	NS-50TW2R2M	ELECTROLYTIC CAPACITOR
C817	1	NS-35TW220M	ELECTROLYTIC CAPACITOR
C818	1	NS-25TW222M-KF	ELECTROLYTIC CAPACITOR
C819	1	NS-25TW100M	ELECTROLYTIC CAPACITOR
RESISTORS			
R812	1	KA2SS103J	CARBON RESISTOR
✻ R813	1	KA2SS470J	CARBON RESISTOR
R814	1	FR2SS471J-LP	FLAME PROOF RESISTOR
R815	1	KA2SS473J	CARBON RESISTOR
R816	1	KA2SS103J	CARBON RESISTOR
✻ R817	1	KA50K7335J	CARBON RESISTOR
MISCELLANEOUS			
1W23	1	6725200B1R-C-D	SOLDER-PLATED WIRE
1W25	1	6725200T2R-C-D	SOLDER-PLATED WIRE
✻ 1W26	1	R-31Y16R27	CABLE ASS'Y
✻ 1W20	1	R-31Y16Y22	CABLE ASS'Y
EL801	1	59B51692	GND LUG
MC810	1	MC04-608	MICRO SOCKET ASS'Y
✻ RL801	1	VS14MB-NR-UL	RELAY
45E24	1	5E-T05	JUMP WIRE

FILTER CAPACITOR PCB ASS'Y

REF. No.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E 9	1	CP-710A	PRINTED CIRCUIT BOARD
CAPACITORS			
C820~821	2	BC80103MC70GH5	ELECTROLYTIC CAPACITOR
C822~823	2	BC80103MH00GH6	ELECTROLYTIC CAPACITOR
MISCELLANEOUS			
EL802~803	2	59B51692	GND LUG
44E17	2	MA05-620	MICRO SOCKET ASS'Y
44E19	5	IP5-103A-T	JUMP WIRE
44E20	5	IP5-104A-9	JUMP WIRE
PTC801~802	2	RDE105A	P.T.C

EQ FUNCTION SWITCH PCB ASS'Y

REF. No.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E11	1	FEQ-7118	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D401~415	15	1S5176	DIODE
Q401~402	2	2SC3329-GR+BL	TRANSISTOR
Q403,404	2	2SA1316-GR+BL	TRANSISTOR
Q405~406	2	2SA1335-GR	TRANSISTOR
Q407~408	2	2SC3376-GR	TRANSISTOR
Q409~412	4	2SK170-GR+BL	TRANSISTOR
Q413~414	2	2SA1335-GR	TRANSISTOR
Q415~416	2	2SC3376-GR	TRANSISTOR
Q417~420	4	2SA1335-GR	TRANSISTOR
Q421~422	2	2SC3376-GR	TRANSISTOR
Q423~424	2	2SA1335-GR	TRANSISTOR
Q425~426	2	2SC2876-A+B	TRANSISTOR
Q427	1	2SD1066-R+S	TRANSISTOR
Q428	1	2SB1133-R+S	TRANSISTOR
Q429	1	2SA1201-E+F	TRANSISTOR
Q430~431	2	2SB1133-R+S	TRANSISTOR
Q432	1	2SC2458-Y+GR	TRANSISTOR
Q450	1	2SC1815-Y+GR	TRANSISTOR
Q451	1	2SA1015-Y+GR	TRANSISTOR
IC401	1	UPD6362C	IC
IC402	1	LB1669	IC
IC403	1	LC4001B	IC
IC404~405	2	M5237L	IC
IC406	1	AN7812F	IC
IC407	1	AN7912F	IC
ZD401~402	2	ZD50-127	ZENER DIODE±1/2W±12.7V
ZD403~404	2	ZD50-049	ZENER DIODE±1/2W±4.9V
CAPACITORS			
C380~381	2	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C382	1	NS-16TW101M	ELECTROLYTIC CAPACITOR
C383~384	2	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C385	1	NS-16TW101M	ELECTROLYTIC CAPACITOR
C401~402	2	MY-50VU102J	MYLAR CAPACITOR
C403~404	2	HE70SJYF103Z	CERAMIC CAPACITOR
✻ C405~406	2	HE13SJYF473Z	CERAMIC CAPACITOR
C407~412	6	NS6R3TW471M	ELECTROLYTIC CAPACITOR
C413~416	4	HE40SJSL560K	CERAMIC CAPACITOR
C417~418	2	NS6R3TW471M	ELECTROLYTIC CAPACITOR
C419~420	2	NP-25TW1R0M	NON-POLAR ELECTROLYTIC
C421~422	2	HE50SJSL101K	CERAMIC CAPACITOR
C423~424	2	HE70SJSL221K	CERAMIC CAPACITOR
C425~426	2	HE90SJSL101K	CERAMIC CAPACITOR
C427~428	2	NP-16TW100M	NON-POLAR ELECTROLYTIC CAP.
C429~430	2	NS-10TW221M	ELECTROLYTIC CAPACITOR
C431~432	2	MY-50VU752J	MYLAR CAPACITOR
C433~434	2	MY-50VU273J	MYLAR CAPACITOR
C435~436	2	HE40SJSL682K	CERAMIC CAPACITOR
C437~438	2	MY-50VU222J	MYLAR CAPACITOR
C439~440	2	NP-16TW100M	NON-POLAR ELECTROLYTIC CAP.
C441~442	2	HE70SJYF103Z	CERAMIC CAPACITOR
C443~448	6	NS-25TW470M	ELECTROLYTIC CAPACITOR
C449,450	2	ECQV1H104JZ	METALLIZED FILM CAPACITOR
C451~452	2	NS-16TW101M	ELECTROLYTIC CAPACITOR
C453~456	4	NS-50TW2R2M	ELECTROLYTIC CAPACITOR
C457~458	2	HE70SJYF103Z	CERAMIC CAPACITOR
C459	1	NS-16TW471M-KF	ELECTROLYTIC CAPACITOR
C460	1	NS-10TW471M	ELECTROLYTIC CAPACITOR
C461~462	2	NS-50TW1R0M	ELECTROLYTIC CAPACITOR
C463~464	2	ECQV1H104JZ	METALLIZED FILM CAPACITOR
C465~466	2	HE70SJYF103Z	CERAMIC CAPACITOR
C467	1	HE13SJYF473Z	CERAMIC CAPACITOR
C469	1	HE70SJYF103Z	CERAMIC CAPACITOR
RESISTORS			
R401~402	2	KA2QST100J	CARBON RESISTOR
R403~404	2	KA2QST101J	CARBON RESISTOR
R405~406	2	KA16ST224J	CARBON RESISTOR
R407~408	2	KA16ST102J	CARBON RESISTOR
R409~410	2	KA16ST224J	CARBON RESISTOR
R411~412	2	KA16ST102J	CARBON RESISTOR
R413~416	4	MF16ST153F	METAL FILM RESISTOR
R417~420	4	MF16ST912F	METAL FILM RESISTOR
R421~422	2	KA2QST6R8J	CARBON RESISTOR
R423~426	4	KA2QST102J	CARBON RESISTOR
R427~428	2	KA2QST131J	CARBON RESISTOR
R429~432	4	KA2QST3R3J	CARBON RESISTOR
R433~434	2	KA2QST104J	CARBON RESISTOR
R435~436	2	KA2QST471J	CARBON RESISTOR
R437~438	2	KA16ST472J	CARBON RESISTOR
R439~440	2	KA16ST474J	CARBON RESISTOR
R441~442	2	KA16ST563J	CARBON RESISTOR
R443~448	6	KA16ST101J	CARBON RESISTOR
R449~450	2	KA16ST201J	CARBON RESISTOR
R451~452	2	KA16ST103J	CARBON RESISTOR
R453~454	2	KA16ST124J	CARBON RESISTOR
R455~456	2	KA16ST333J	CARBON RESISTOR
R457~458	2	KA16ST181J	CARBON RESISTOR
R459~460	2	KA16ST151J	CARBON RESISTOR
R461~462	2	KA16ST103J	CARBON RESISTOR
R463~464	2	KA16ST271J	CARBON RESISTOR
R465~466	2	KA16ST101J	CARBON RESISTOR
R467~468	2	KA16ST681J	CARBON RESISTOR
R469~470	2	KA16ST333J	CARBON RESISTOR
R471~472	2	KA2QST102J	CARBON RESISTOR
R473~474	2	KA16ST221J	CARBON RESISTOR

REF. NO.	Q'TY	PART NO.	DESCRIPTION
R475÷476	2	KA16ST102J	CARBON RESISTOR
R477÷478	2	KA16ST104J	CARBON RESISTOR
R479÷480	2	KA16ST472J	CARBON RESISTOR
R481÷483	3	KA16ST104J	CARBON RESISTOR
R484	1	SA-1WT101J-LP	METAL OXIDE RESISTOR
R485	1	KA16ST122J	CARBON RESISTOR
R486	1	SA-1WT401J-LP	METAL OXIDE RESISTOR
R487	1	KA16ST122J	CARBON RESISTOR
R488÷489	2	FR50ST100J-LP	FLAME PROOF RESISTOR
R490÷491	2	KA16ST124J	CARBON RESISTOR
R492÷493	2	KA16ST103J	CARBON RESISTOR
R494÷497	4	KA16ST105J	CARBON RESISTOR
R498÷499, 501÷502	4	KA16ST103J	CARBON RESISTOR
R503÷504	2	KA16ST124J	CARBON RESISTOR
R505÷506	2	KA16ST105J	CARBON RESISTOR
R507÷511	5	KA16ST104J	CARBON RESISTOR
R512÷513	2	KA16ST103J	CARBON RESISTOR
R514	1	KA16ST152J	CARBON RESISTOR
R515	1	KA16ST752J	CARBON RESISTOR
R516	1	MF16ST363F	METAL FILM RESISTOR
R517	1	MF16ST453F	METAL FILM RESISTOR
R518	1	KA16ST471J	CARBON RESISTOR
R519	1	KA16ST221J	CARBON RESISTOR
R520	1	KA16ST562J	CARBON RESISTOR
R521	1	KA16ST103J	CARBON RESISTOR
R522	1	KA16ST221J	CARBON RESISTOR
R523	1	KA16ST471J	CARBON RESISTOR
R524	1	MF16ST153F	METAL FILM RESISTOR
R525	1	MF16ST432F	METAL FILM RESISTOR
COILS			
L401÷402	2	15-168-0-0	CHOKE COIL
SWITCHES			
SW401	1	SW-542208	SLIDE SWITCH
SW402	1	SW-523208	SLIDE SWITCH
MISCELLANEOUS			
1W 9	1	2HJ5264822-J-J	4-LEAD✱ FLAT CABLE
1W18	1	2HJ5268810-J-J	8-LEAD✱ FLAT CABLE
✱ MC415	1	MZ02-035	CONNECTOR
✱ MC416	1	MZ02-036	CONNECTOR
MP460	1	B7B-PH-K	CONNECTOR
MP570	1	B4B-EH-A	CONNECTOR
MP810÷820	2	B6B-EH-A	CONNECTOR
MP960	1	B6B-PH-K	CONNECTOR
RJ402	1	T5858-AA	RCA JACK 4P
30E26	1	MK09-627	MICRO SOCKET ASS'Y
30E27	1	MK07-622	MICRO SOCKET ASS'Y
30E30	1	MK10-626	MICRO SOCKET ASS'Y
32E16	45	5E-T05	JUMP WIRE
32E17	10	4E-T05	JUMP WIRE

TONE PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
40E12	1	TON-7118	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
IC551÷552	2	UPC4574C	IC
CAPACITORS			
C551÷552	2	LL-16TW100M	LOW LEAK. ELECTROLYTIC CAP.
C553÷554	2	UP050822K	CERAMIC CAPACITOR
C555÷558	4	HE405JSL560K	CERAMIC CAPACITOR
C559÷560	2	LL-16TW100M	LOW LEAK. ELECTROLYTIC CAP.
C561÷562	2	ECQV1H564JZ	METALLIZED FILM CAPACITOR
C563÷564	2	ECQV1H274JZ	METALLIZED FILM CAPACITOR
C565÷566	2	ECQV1H104JZ	METALLIZED FILM CAPACITOR
C567÷568	2	ECQV1H564JZ	METALLIZED FILM CAPACITOR
C569÷570	2	ECQV1H274JZ	METALIZED FILM CAPACITOR
C571÷572	2	ECQV1H104JZ	METALLIZED FILM CAPACITOR
C573÷574	2	MY-50VU103J	MYLAR CAPACITOR
C575÷576	2	MY-50VU472J	MYLAR CAPACITOR
C577÷578	2	MY-50VU223J	MYLAR CAPACITOR
C579÷580	2	MY-50VU103J	MYLAR CAPACITOR
C581÷582	2	MY-50VU472J	MYLAR CAPACITOR
C583÷584	2	MY-50VU222J	MYLAR CAPACITOR
C585÷586	2	HE705JYF103Z	CERAMIC CAPACITOR
RESISTORS			
R526÷551, 552	3	KA16ST225J	CARBON RESISTOR
R553÷554	2	KA16ST104J	CARBON RESISTOR
R555÷562	8	KA16ST332J	CARBON RESISTOR
R563÷564	2	KA16ST104J	CARBON RESISTOR
R565÷570	6	KA16ST822J	CARBON RESISTOR
R571÷572	2	KA16ST561J	CARBON RESISTOR
R573÷574	2	KA16ST392J	CARBON RESISTOR
R575÷576	2	KA16ST103J	CARBON RESISTOR
R577÷580	4	KA16ST822J	CARBON RESISTOR
R581÷582	2	KA16ST561J	CARBON RESISTOR
R583÷584	2	KA16ST392J	CARBON RESISTOR
R585÷586	2	KA16ST103J	CARBON RESISTOR

REF. NO.	Q'TY	PART NO.	DESCRIPTION
R587÷588	2	KA16ST822J	CARBON RESISTOR
R589÷600	12	KA16ST225J	CARBON RESISTOR
RA551÷553	3	RA-1P-G3225J	BLOCK RESISTOR
VR551÷552	2	V8T16-203B2K5	ROTARY POTENTIONMETER
SWITCHES			
SW551	1	SW-1300100	PUSH SWITCH
SW552	1	SW-1100196	PUSH SWITCH
SW553÷554	2	SW-4436192	LEVER SWITCH
MISCELLANEOUS			
W530	1	C7916X6WR26GCGF	PCB CONNECTOR
W540	1	C7916X6WN25GCGF	PCB CONNECTOR
W550	1	C7916X6WP25GCGF	PCB CONNECTOR
W560	1	C7916X6WT26GCGF	PCB CONNECTOR
1W 1	1	2HJ5262815AJAJ	2-LEAD✱ FLAT CABLE
1W 3	1	2HJ5263908-J-J	3-LEAD✱ FLAT CABLE
1W 4	1	2HJ5263911-J-J	3-LEAD✱ FLAT CABLE
1W 5	1	2HJ5263918-J-J	3-LEAD✱ FLAT CABLE
1W 6	1	2HJ5263924-J-J	3-LEAD✱ FLAT CABLE
29E 6	8	5E-T05	JUMP WIRE
29E 7	7	4E-T05	JUMP WIRE
29E 9	1	MK06-621	MICRO SOCKET

AUDIO ACCESSORY PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
40E13	1	SV-7118	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D501÷509	9	1S5176	DIODE
Q501÷502	2	2SC2458-Y✱GR	TRANSISTOR
IC501	1	NJM2043S-D	IC
IC502	1	UPD636C	IC
CAPACITORS			
C471÷474	4	ECQV1H224JZ	METALLIZED FILM CAPACITOR
C475÷476	2	LL-25TW1R0M	LOW LEAK. ELECTROLYTIC CAP.
C477÷478	2	HE505JSL101K	CERAMIC CAPACITOR
C479÷482	4	LL-10TW220M	LOW LEAK. ELECTROLYTIC CAP.
C483÷484	2	HE705JYF103Z	CERAMIC CAPACITOR
C485÷486	2	NS-25TW470M	ELECTROLYTIC CAPACITOR
C487	1	HE705JYF103Z	CERAMIC CAPACITOR
RESISTORS			
R237	1	KA16ST333J	CARBON RESISTOR
R527	1	KA16ST223J	CARBON RESISTOR
R528	1	KA16ST103J	CARBON RESISTOR
R529	1	KA16ST473J	CARBON RESISTOR
R530	1	KA16ST103J	CARBON RESISTOR
R531÷532	2	KA16ST104J	CARBON RESISTOR
R533÷534	2	KA16ST334J	CARBON RESISTOR
R535÷536	2	KA16ST151J	CARBON RESISTOR
R538	1	KA16ST333J	CARBON RESISTOR
R539÷540	2	KA16ST512J	CARBON RESISTOR
R541÷542	2	KA16ST122J	CARBON RESISTOR
R543÷544	2	KA16ST104J	CARBON RESISTOR
R545÷546	2	KA16ST682J	CARBON RESISTOR
R547÷548	2	KA16ST681J	CARBON RESISTOR
R549÷550	2	FR25ST680J-LP	FLAME PROOF RESISTOR
VR501	1	VB816-103MHNNX	ROTARY POTENTIONMETER
SVR501	1	SVR-06T30102	SEMI-VARIABLE
SWITCHES			
SW501	1	SW-1400187	PUSH SWITCH
SW502	1	SW-1200188	PUSH SWITCH
MISCELLANEOUS			
1W 8	2	2HJ5264812-J-J	4-LEAD✱ FLAT CABLE
26E29	1	MC03-615	MICRO SOCKET ASS'Y
26E30	1	MC03-616	MICRO SOCKET ASS'Y
27E26	16	5E-T05	JUMP WIRE
27E27	5	4E-T05	JUMP WIRE
27E28	1	MC03-604	MICRO SOCKET ASS'Y
27E29	1	MCP03-611	MICRO SOCKET ASS'Y
27E30	1	MK04-629	MICRO SOCKET ASS'Y
30E25	1	MC04-605	MICRO SOCKET ASS'Y
30E28	1	MK07-622	MICRO SOCKET ASS'Y

MAIN VOLUME PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E14	1	VR-7118	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
IC961	1	NJM20435-D	IC
CAPACITORS			
C961,962	2	HE70SJYF103Z	CERAMIC CAPACITOR
RESISTORS			
R961	1	KA16ST332J	CARBON RESISTOR
R962	1	KA16ST821J	CARBON RESISTOR
VR961	1	VBV16-20392NK5	ROTARY POTENTIONMETER
MISCELLANEOUS			
26E 8	1	5E-T05	JUMP WIRE
30E29	1	MK06-623	MICRO SOCKET ASS'Y

HEADPHONE PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E15	1	HP-7118	PRINTED CIRCUIT BOARD
MISCELLANEOUS			
HP951	1	HLJ0541-01-010	MIC JACK

INDICATORS PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E16	1	LD-7118	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
L0951	1	SLR-34YC3F-M+N	LED
L0952	1	SLR-34MC3F-N+P	LED
RESISTORS			
R951,952	2	KA16ST681J	CARBON RESISTOR
MISCELLANEOUS			
29E15	1	MC03-610	MICRO SOCKET ASS'Y

BRIDGING SWITCH PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E17	1	BS-7118	PRINTED CIRCUIT BOARD
SWITCHES			
SW951	1	55B022	SLIDE SWITCH
MISCELLANEOUS			
29E19	1	MC02-601	MICRO SOCKET ASS'Y
29E20	1	MC03-618	MICRO SOCKET

TAPE SELECTOR PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
46E18	1	TR-7118	PRINTED CIRCUIT BOARD
SEMICONDUCTORS			
D351,352	2	1SS176	DIODE
D353	1	MA700	DIODE
D354	1	1SS176	DIODE
Q351,352	2	2SC2878-A+B	TRANSISTOR
Q353	1	2SA1048-Y+GR	TRANSISTOR
Q354	1	2SC2458-Y+GR	TRANSISTOR
IC351	1	NJM20435-D	IC
IC352	1	UPD6362C	IC
CAPACITORS			
C351,352	2	LL-16TW100M	LOW LEAK. ELECTROLYTIC CAP.
C353,354	2	HE70SJSL221K	CERAMIC CAPACITOR
C355-358	4	ECQV1H104JZ	METALLIZED FILM CAPACITOR
C359-362	4	HE70SJYF103Z	CERAMIC CAPACITOR
C363	1	NS-25TW220M	ELECTROLYTIC CAPACITOR
C364	1	NS-25TW470M	ELECTROLYTIC CAPACITOR
C365-368	4	LL-16TW100M	LOW LEAK. ELECTROLYTIC CAP.
C369	1	HE70SJYF103Z	CERAMIC CAPACITOR
C370,371	2	HE13SJYF473Z	CERAMIC CAPACITOR

REF. NO.	Q'TY	PART NO.	DESCRIPTION
RESISTORS			
R351,352	2	KA16ST104J	CARBON RESISTOR
R353,354	2	KA16ST102J	CARBON RESISTOR
R355,356	2	KA16ST104J	CARBON RESISTOR
R357-360	4	KA16ST102J	CARBON RESISTOR
R361-362	2	KA16ST104J	CARBON RESISTOR
R363,364	2	KA16ST184J	CARBON RESISTOR
R365,366	2	KA16ST683J	CARBON RESISTOR
R367-368	2	KA16ST105J	CARBON RESISTOR
R369,370	2	KA16ST101J	CARBON RESISTOR
R371,372	2	KA16ST105J	CARBON RESISTOR
R373	1	KA16ST223J	CARBON RESISTOR
R374	1	KA16ST686J	CARBON RESISTOR
R375	1	KA16ST224J	CARBON RESISTOR
R376	1	KA16ST473J	CARBON RESISTOR
R377-378	2	KA16ST103J	CARBON RESISTOR
R379-381	3	KA16ST102J	CARBON RESISTOR
R382-383	2	KA16ST224J	CARBON RESISTOR
R384-385	2	KA16ST104J	CARBON RESISTOR
R386-387	2	KA16ST474J	CARBON RESISTOR
R388-389	2	KA16ST561J	CARBON RESISTOR
SWITCHES			
SW351	1	SW-5430186	SLIDE SWITCH
MISCELLANEOUS			
EL351	1	M1698	GND LUG
MP430-520	2	B30-EH-A	CONNECTOR
MP980	1	B2B-EH-A	CONNECTOR
RJ351,352	2	T5858-AA	RCA JACK 4P
RJ353	1	T5916-AAAA	RCA JACK 6P
25E20	31	5E-T05	JUMP WIRE
29E21	6	4E-T05	JUMP WIRE
29E24	1	MC03-612	MICRO SOCKET ASS'Y
29E25	1	MC03-613	MICRO SOCKET ASS'Y

POWER SWITCH PCB ASS'Y

REF. NO.	Q'TY	PART NO.	DESCRIPTION
P.C.BOARD			
45E19	1	PW-7118	PRINTED CIRCUIT BOARD
SWITCHES			
PSW001	1	SW-1100164	PUSH SWITCH
MISCELLANEOUS			
29E28	1	MK02-630	MICRO SOCKET ASS'Y

OTHER PARTS

REF. NO.	Q'TY	PART NO.	DESCRIPTION
MISCELLANEOUS			
1W28	2	0155200Y25-0-E	SOLDER PLATED WIRE
※ 1W24	1	6725200T17-0-D	SOLDER PLATED WIRE
※ 1W27	1	6725200D07-0-D	SOLDER PLATED WIRE
2W 7	2	GT-M04W15	GLASS TUBE
※ 2W10	1	U9-5/8B10	UL TYPE TUBE
2W11	1	U9-5/8B035	UL TYPE TUBE
2W12•W13	2	U9-4008015	UL TYPE TUBE
4M 4	1	CT-M04B008	SHRINKABLE TUBE
4M21	21	N45092	TAPE•DOUBLE FACED
5M 1-M 3	3	N45335	LABEL•SERIAL NO.
5M 4	1	N45093	ANT CAUTION LABEL
※ 5M 5	1	N41959	LABEL• FUSE
※ 5M 8	1	N44043	LABEL• SA1965(LIGHTNING FLASH)
5M20	1	N45469	LABEL•POWER IND.
5M27	1	N45260	PROTECTION SHEET
※ 5M20	1	BK3035	SAFETY INSTRUCTION SHEET
※ 5M29	1	N44687A	CAUTION SHEET•POLARIZED PLUG
47E16•E17	15	BK-1	CORD CLAMP
47E18•E19	3	NO.5167	CORD CLAMP

FRONT PANEL

REF. NO.	Q'TY	PART NO.	DESCRIPTION
SWITCHES			
24E 1	1	SW-4X36105	LEVER SWITCH
24E 2	1	SWWR20	REMOTE WIRE
MISCELLANEOUS			
1M 1	1	N21448A-1	FRONT PANEL
1M 3	1	N21449A-1	FRONT GLASS
1M 5	1	N21A50A	DISPLAY FRAME
1M 6	1	N44073	FRONT GLASS BACK SHEET
1M10	1	62-2320-1	TUNING KNOB 43
1M11	1	N44670-2	KNOB 33
1M12	2	KND0448-0226	KNOB 18 (POTENTIOMETER)
1M13	1	62-1111-1-0	PUSH BUTTON
1M14	10	62-1111-2-0	PUSH BUTTON
1M15	8	N44957-BK	PUSH BUTTON
1M16	1	N44988-RG	PUSH BUTTON
1M17	8	N44956-BK	PUSH BUTTON
1M19	3	KNB-0449A	LEVER KNOB
1M20	1	K31035	LED GUIDE
1M21	1	N45299	BUTTON GUIDE
1M22	1	SPA-0122	BUTTON GUIDE
1M23	2	62-3480-0-0	BUTTON FRAME
1M25	3	SPA-0124	LEVER KNOB GUIDE
1M27	1	N44B77	FILTER
1M29	23	N44802A	LED CHIP
3M 1	1	N21452	FRONT CHASSIS
3M22	1	N44886	FITTINGS (HEADPHONE JACK)
3M23	3	N44887	FLYWHEEL
4M 1	17	N44959	KNOB SPRING
4M 6	1	N44B00	LED SHIELD COVER
4M16	1	N44967-50	CABINET MAT
4M17	1	N45091	TUN KNOB COVER
4M18	1	N41940-3	SPACER
6M 2	3	TSS+30X06-Y	TAP SCREW S, FLAT HEAD, Y
6M 6+M10~M13+M17, M22	18	TSB+30X06-Y	TAP SCREW S, BIND HEAD, Y
7M24	2	TBB+30X16-Y	TAP SCREW B, BIND HEAD, Y
9M 1+M 2	8	TPM+30X08-Y	TAP SCREW P, ROUND HEAD, Y
8M10	1	TPM+30X10-Y	TAP SCREW P, ROUND HEAD, Y
16E27	1	FSER4-S	ROTARY ENCODER
20E 4	6	KGLS-8RT	SPACER
20E 5	1	KGPS-8R	SPACER
29E25	1	MET41-0105	SNAP PLATE

REAE PANEL AND CHASSIS

REF. NO.	Q'TY	PART NO.	DESCRIPTION
COILS			
L101	1	122043	LOOPSTICK ANT.
✱ T801	1	NPT-2334S	POWER TRANSFORMER
✱ T901	1	NPT-2324S	POWER TRANSFORMER
SWITCHES			
SW901	1	EST-2011B	POWER SWITCH
SW902	1	SW-5220179	SWITCH
MISCELLANEOUS			
H430+431, 801+802	4	OSH-1625-MP	HEAT SINK
2M 1	1	N21451	CABINET
✱ 2M 3	1	N21446-1A	REAR PANEL
2M 5	1	N30951A	BOTTOM BOARD
2M 7	4	N0.7103-UL	FOOT
3M 2	1	N21456	FRONT SUB CHASSIS
3M 6	1	N30959	CENTER CHASSIS L
3M 7	1	N30960	CENTER CHASSIS R
3M 8	1	N44605	FITTINGS (HEAT SINK)
3M 9	2	N21455	SIDE CHASSIS
3M10	1	N44523	FITTINGS (P.T.)
3M11	1	N30995	SUPPORT CHASSIS(P.T.)
3M12	2	N44523	FITTINGS (P.T.)
3M13	1	N30729C	ANGLE L (P.C.B)
3M14	1	N30734C	ANGLE R (P.C.B)
3M15~M17	15	N44881	FITTINGS(P.C.B)

REF. NO.	Q'TY	PART NO.	DESCRIPTION
3M18	2	N44B83	FITTINGS R (HEAT SINK)
3M19	1	N44B85	FITTINGS FR (HEAT SINK)
3M20	1	N44B84	FITTINGS FL (HEAT SINK)
3M21	2	N44523	FITTINGS (P.T.)
3M24	2	N42222	FITTINGS (THERMAL RELAY)
3M25	2	N44550	STUD 30
3M26	2	N21457	HEAT SINK
3M27	1	N4A234C	HEAT SINK
4M14	1	N44236-1	LOCK PLATE
4M15	2	N44996	SPACER
4M19	2	N44203-30	SPACER
4M22	2	N41946A-50-1	WASHER
✱ 4M23	1	N45182	TERMINAL COVER
6M 4+M 5	2	TSB+26X05-B	TAP SCREW S, BIND HEAD, B
6M 7~M 9, M14~M16, M18~M21	25	TSB+30X06-Y	TAP SCREW S, BIND HEAD, Y
6M27~M30	5	TSB+30X06-B	TAP SCREW S, BIND HEAD, B
7M 1~M 5	16	TSB+30X06-B	TAP SCREW S, BIND HEAD, B
7M 6~M12	19	TSC+30X06-Y	TAP SCREW S, WASHER FACED, Y
7M14	2	TSC+30X06-B	TAP SCREW S, WASHER FACED, B
7M16	2	TBB+26X08-B	TAP SCREW B, BIND HEAD, B
7M18~M22	24	TBB+30X08-Y	TAP SCREW B, BIND HEAD, Y
7M26~M30	17	TSB+30X08-B	TAP SCREW S, BIND HEAD, B
9M 1~M 3	19	TPM+30X08-B	TAP SCREW P, ROUND HEAD, B
9M12	6	T3M+30X10-B	TAP SCREW B, ROUND HEAD, B
8M14	4	TSC+40X08-Y	TAP SCREW S,WASHER FACED,Y.
8M17	6	TSB+40X08-B	TAP SCREW S, BIND HEAD, B
3M20	4	ZB+STR40X14-2Y	TAP SCREW, BIND HEAD, Y
8M24	1	ZC+ST30X18-2Y	TAP SCREW, WASHER FACED
8M27,M28	22	TBB+30X12-Y	TAP SCREW B, BIND HEAD, Y
8M30	2	TSC+30X08-B	TAP SCREW S, WASHER FACED, B
9M 1~M 3	19	2AW0830-05-B	PLAIN WASHER, B
9M 6	6	2AW0840-05-B	PLAIN WASHER, B
9M 9	1	2AW0826-05-B	PLAIN WASHER, B
9M11	4	2TW530-B	TOOTHED WASHER (B.BLACK)
9M13	1	2AW0730-10-B	PLAIN WASHER, B
9M16	1	2AW1230-08-B	PLAIN WASHER, B
✱ FU901	1	FU-621034-314	FUSE
✱ RJ401	1	T5880-AAAA	RCA JACK 2P
TS901+902	2	U12-10005-280A	THERMAL RELAY
23E29	2	KGLS-10RT	SPACER
✱ 47E 3	1	AC-T01F833	AC OUTLET
✱ 47E 4	1	FH-032C	FUSE HOLDER
✱ 47E 6	1	ACC-0220D5-4EE1	LINE CORD
✱ 47E 7	1	SR-4N-4	CORD STOPPER
47E 8	2	P2170	SHORT PIN
47E11	1	UB-0029-1	GROUND TERMINAL
47E13	1	SR-4N-4	CORD STOPPER

PACKING

REF. NO.	Q'TY	PART NO.	DESCRIPTION
MISCELLANEOUS			
5M 6	1	UM-657B	INSTRUCTION MANUAL
✱ 5M 7	1	NAD-WC2A	CARD+WARRANTY REGISTRATION
5M11	1	N21501A	SHIPPING CARTON
5M12	1	N21502B	OUTER CARTON
5M16	1	N21457-R	PACKING PAD R
5M17	1	N21458A-L	PACKING PAD L
5M18	1	N45368	PACKING PAD
✱ 5M21	1	N40612A-1	POLYETHYLENE BAG (UNIT)
5M22	1	N40487	POLYETHYLENE BAG (ACCESSORIES)
5M23	1	N45459	POLYETHYLENE BAG
5M24	1	N45458	PACKING PAD(REMOTE)
5M25	1	N44894	TAPE+PACKING MATERIAL
5M26	1	N45000A	PACKING PAD
✱ 46E26	1	RC-1001-UAE	REMOTE CONTROL TRANSMITTER
46E28	1	UM-3-2	BATTERY
47E21	1	RC-1001-R	REMOTE CONTROL TRANSMITTER
47E22	1	UM-3-2	BATTERY
47E26	1	TANT-031	FM ANTENNA (CORD)
47E27	1	TAE21-0001C	MATCHING ADAPTOR

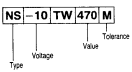
Classify Parts List

A: USA B: U.K. C: EUROPE & OTHERS
A1: CANADA B1: AUSTRALIA/N.Z. C1: W.GERMANY

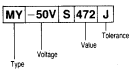
Ref. No.	Description	A	A1	B	B1	C	C1
TUNER PCB ASS'Y							
C052	CERAMIC CAPACITOR	UP050B221K	UP050B221K	UP050B221K	UP050B221K	NIL	NIL
D155	DIODE	1SS176	1SS176	1SS176	1SS176	MA700	MA700
F001~ 003	10.7MHZ FILTER	SFE10.7MLK-A	SFE10.7MLK-A	SFE10.7MLK-A	SFE10.7MLK-A	SFE10.7MZ2K-A	SFE10.7MZ2K-A
FE001	FRONT END	F019A	F019A	F019A	F019A	F019A	F019C
NC001~ 005	CERAMIC CAPACITOR	NIL	NIL	NIL	NIL	UP050F223Z	UP050F223Z
NIC001	IC	NIL	NIL	NIL	NIL	UPC1163HA	UPC1163HA
NR001,002	CARBON RESISTOR	NIL	NIL	NIL	NIL	KA16ET331J	KA16ET331J
NR003	CARBON RESISTOR	NIL	NIL	NIL	NIL	KA25ST220J-LP	KA25ST220J-LP
R014	CARBON RESISTOR	KA16ET124J	KA16ET124J	KA16ET124J	KA16ET124J	KA16ET563J	KA16ET563J
R046	CARBON RESISTOR	KA16ET222J	KA16ET222J	KA16ET222J	KA16ET222J	KA16ET152J	KA16ET152J
R061	CARBON RESISTOR	KA16ET223J	KA16ET223J	KA16ET223J	KA16ET223J	NIL	NIL
R181	CARBON RESISTOR	KA16ET104J	KA16ET104J	KA16ET104J	KA16ET104J	KA16ET224J	KA16ET224J
PLL CONTROL PCB ASS'Y							
NP815	CONNECTOR	NIL	NIL	B2B-PH-K	B2B-PH-K	B2B-PH-K	B2B-PH-K
PR080	CARBON RESISTOR	NIL	NIL	KA16ET153J	KA16ET153J	KA16ET153J	KA16ET153J
ZW 1	SOLDER-PLATED WIRE	NIL	NIL	0072826A10-C-J	0072826A10-C-J	0072826A10-C-J	0072826A10-C-J
# :-COM INDICATORS PCB ASS'Y							
PD010,016	DIODE	NIL	NIL	1SS176	1SS176	1SS176	1SS176
MAIN AMP & CH PCB ASS'Y							
C621	ELECTROLYTIC CAPACITOR	NS100TW4R7M	NS100TW4R7M	NS160TW4R7M	NS160TW4R7M	NS160TW4R7M	NS160TW4R7M
C635	ELECTROLYTIC CAPACITOR	NS100TW4R7M	NS100TW4R7M	NS160TW4R7M	NS160TW4R7M	NS160TW4R7M	NS160TW4R7M
R691	FLAME PROOF RESISTOR	FR25ST563J	FR25ST563J	FR25ST104J	FR25ST104J	FR25ST104J	FR25ST104J
MAIN AMP_R CH PCB ASS'Y							
C622	ELECTROLYTIC CAPACITOR	NS100TW4R7M	NS100TW4R7M	NS160TW4R7M	NS160TW4R7M	NS160TW4R7M	NS160TW4R7M
C636	ELECTROLYTIC CAPACITOR	NS100TW4R7M	NS100TW4R7M	NS160TW4R7M	NS160TW4R7M	NS160TW4R7M	NS160TW4R7M
R692	FLAME PROOF RESISTOR	FR25ST563J	FR25ST563J	FR25ST104J	FR25ST104J	FR25ST104J	FR25ST104J
MAIN POWER SUPPLY PCB ASS'Y							
FU801~ 804	FUSE	FU-521034-312	FU-521034-312	FU-521039T	FU-521039T	FU-521039T	FU-521039T
P803	TERMINAL PIN	WB-3	NIL	NIL	NIL	23165102-BB-C	NIL
41K14	FUSE HOLDER	S-HS051	S-HS051	23165102-BB-C	23165102-BB-C	23165102-BB-C	23165102-BB-C
5M 8-1	FUSE LABEL	NIL	NIL	N41853-103	N41853-103	N41853-103	N41853-103
SPEAKER TERMINAL PCB ASS'Y							
SS701,702	SPEAKER SOCKET 4P	YKD31-0344	YKD31-0344	YKD31-0344	YKD31-0344	YKD31-0345	YKD31-0345
BACK UP POWER SUPPLY PCB ASS'Y							
C813,814	METALLIZED FILM CAPACITOR	ECQU1A103MH	ECQU1A103MH	ECQU2A103MF	ECQU2A103MF	ECQU2A103MF	ECQU2A103MF
MC815	MICRO SOCKET ASS'Y	NIL	NIL	MK02-693	MK02-693	MK02-693	MK02-693
R812	CARBON RESISTOR	KA25ST470J	KA25ST470J	KA25ST101J	KA25ST101J	KA25ST101J	KA25ST101J
R817	CARBON RESISTOR	KA50XT335J	KA50XT335J	NIL	NIL	NIL	NIL
RL801	RELAY	VS14MB-NR-UL	VS14MB-NR-UL	VS12MB-NR-VD3	VS12MB-NR-VD3	VS12MB-NR-VD3	VS12MB-NR-VD3
1W26	CABLE ASS'Y	R-31V16R27	NIL	NIL	NIL	NIL	NIL
1W26	SOLDER-PLATED WIRE	NIL	67Z8200R25-C-D	67Z8200R25-C-D	67Z8200R25-C-D	67Z8200R25-C-D	67Z8200R25-C-D
1W28	CABLE ASS'Y	R-31V16Y22	NIL	NIL	NIL	NIL	NIL
1W28	SOLDER-PLATED WIRE	NIL	67Z8200Y20-C-D	67Z8200Y20-C-D	67Z8200Y20-C-D	67Z8200Y20-C-D	67Z8200Y20-C-D
Eq FUNCTION SWITCH PCB ASS'Y							
C405,406	CERAMIC CAPACITOR	HE13SJYF473Z	HE13SJYF473Z	HE13SJYF473Z	HE13SJYF473Z	HE13SJYF473Z	NIL
MC415	CONNECTOR	MZ02-635	MZ02-635	MZ02-635	MZ02-635	MZ02-635	B2B-EH-A
MC416	CONNECTOR	MZ02-636	MZ02-636	MZ02-636	MZ02-636	MZ02-636	B2B-EH-A
TAPE SELECTOR PCB ASS'Y							
C373~ 376	CERAMIC CAPACITOR	NIL	NIL	NIL	NIL	NIL	HE908JSL471K
R391~ 394	CARBON RESISTOR	NIL	NIL	NIL	NIL	NIL	KA16ET223J
FUSE PCB ASS'Y (for A,B1,C,C1)							
46E20	PRINTED CIRCUIT BOARD	NIL	FU-711B	FU-711B	FU-711B	FU-711B	FU-711B
F811,812	FUSE	NIL	FU-521024-SM	FU-521029T	FU-521029T	FU-521029T	FU-521029T
P803	TERMINAL PIN	NIL	WA-4	WA-4	WA-4	WA-4	WA-4
P813	TERMINAL PIN	NIL	WE-3	WE-3	WE-3	WE-3	WE-3
20E21	FUSE HOLDER	NIL	S-N5051	23165102-BB-C	23165102-BB-C	23165102-BB-C	23165102-BB-C
5M 7-1	LABEL, FUSE	NIL	N42853-102	NIL	NIL	NIL	NIL
PHONO INPUT JACK PCB ASS'Y (For C1)							
46E21	PRINTED CIRCUIT BOARD	NIL	NIL	NIL	NIL	NIL	PJ-776
C405,406	LBL. CERAMIC CAPACITOR	NIL	NIL	NIL	NIL	NIL	XC60SJYF473ZKF
M415	MICRO SOCKET	NIL	NIL	NIL	NIL	NIL	MC02-697
M416	MICRO SOCKET	NIL	NIL	NIL	NIL	NIL	MC02-696
PC401,402	CERAMIC CAPACITOR	NIL	NIL	NIL	NIL	NIL	HE60SJSL151KKF
PL401,402	CHOKE COIL	NIL	NIL	NIL	NIL	NIL	100049
PR401,402	CARBON RESISTOR	NIL	NIL	NIL	NIL	NIL	KA16ET222J
RJ101	RCA JACK 2P	NIL	NIL	NIL	NIL	NIL	T0880-AAA
REAR PANEL AND CHASSIS							
FU901	FUSE	FU-521034-314	FU-521034-314	FU-52502PT	FU-52502PT	FU-52502PT	FU-52502PT
RJ401	RCA JACK 2P	T5880-AAA	T5880-AAA	T5880-AAA	T5880-AAA	T5880-AAA	NIL
TS01	POWER TRANSFORMER	NPT-2334S	NPT-2334S	NPT-2337S	NPT-2337S	NPT-2335S	NIL
T901	POWER TRANSFORMER	NPT-2324S	NPT-2324S	NPT-2327S	NPT-2327S	NPT-2325S	NPT-2325S
47E 3	AC OUTLET	AC-701PB33	AC-701PB33	SZ-729T-100	SZ-729T-100	SZ-729T-100	SZ-729T-100
47E 4	FUSE HOLDER	ZH-032C	ZH-032C	FH-033	FH-033	FH-033	FH-033
47E 6	LINE CORD	ACC-022D5-4EE1	ACC-022D5-4EE1	ACC-043D6-4EE1	ACC-045D5-4EE1	ACC-043D6-4EE1	ACC-043D6-4EE1
47E 7	CORD STOPPER	SR-4N-4	SR-4N-4	SR-5N-4	SR-5N-4	SR-5N-4	SR-5N-4
47E14	TERMINAL BLOCK	NIL	NIL	NIL	N5G00-2DS	NIL	NIL
47E15	LUG	NIL	NIL	NIL	2AE-05	NIL	NIL
5M 2	REAR PANEL	N10444-1A	N10444-1A	N10488-2A	N10442A-1	N10488-1A	N10488-1A
4M23	TERMINAL COVER	N45182	N45182	N45333	N45182	N45333	N45333
4M25	INSULATION SHEET	NIL	NIL	NIL	N45366	NIL	NIL
4M27	SPACER	NIL	NIL	NIL	N45366	NIL	NIL
8M22	TAP SCREW S, BIND HEAD, B	NIL	NIL	NIL	TSB+30X16-B	NIL	NIL
9M12	NUT, HEXAGONAL HEAD	NIL	NIL	NIL	2BNX30-2Y	NIL	NIL
PACKING							
46E26	REMOTE CONTROL TRANSMITTER	RC-1001-UAE	RC-1001-UAEFG	RC-1001-UAEFG	RC-1001-UAEFG	RC-1001-UAEFG	RC-1001-UAEFG
47E28	MATCHING ADAPTOR	NIL	NIL	YAF11-0329	NIL	YAF11-0329	YAF11-0329
5M 7	CARD, WARRANTY REGISTRATION	NIL	NAD-WC2A	NIL	NIL	NIL	NIL
5M13	INSTRUCTION MANUAL	NIL	OM-824	NIL	NIL	OM-824	NIL
5M14	INSTRUCTION MANUAL	NIL	NIL	NIL	NIL	OM-825	NIL
5M21	POLYETHYLENE BAG (UNIT)	N40612A-1	N40612A-1	N45012	N40612A-1	N40612A-1	N40612A-1
OTHER PARTS							
5M 5	LABEL, FUSE	N41939	N41939	NIL	NIL	NIL	NIL
5M 7-2	LABEL, DBP	NIL	NIL	NIL	NIL	NIL	N45460
5M 8	LABEL, SA1965(LIGHTNING FLASH)	N44043	N44043	NIL	NIL	NIL	NIL
5M 9	NON-WARRANTY CARD	NIL	LEN-200	NIL	NIL	NIL	NIL
5M10	CARD, WARRANTY	NIL	LEN-201	NIL	NIL	NIL	NIL
5M24	STICKER, WARNING	NIL	NIL	N41994	NIL	NIL	NIL
5M28	SAFETY INSTRUCTION SHEET	BK3035	NIL	NIL	NIL	NIL	NIL
5M29	CAUTION SHEET, POLARIZED PLUG	N44687A	N44687A	NIL	NIL	NIL	NIL
5M30	LABEL, VOLTAGE	NIL	N45367	NIL	NIL	NIL	NIL
1W22	SOLDER-PLATED WIRE	NIL	NIL	67Z8200B06-D-D	67Z8200A12-D-D	67Z8200B06-D-D	67Z8200B06-D-D
1W24	SOLDER-PLATED WIRE	67Z8200T17-D-D	67Z8200T17-D-D	67Z8200T19-D-D	67Z8200T17-D-D	67Z8200T19-D-D	67Z8200T19-D-D
1W27	SOLDER PLATED WIRE	67Z8200007-D-D	67Z8200007-D-D	67Z8200007-D-D	67Z8200019-D-D	67Z8200007-D-D	67Z8200007-D-D
2M10	UL TYPE TUBE	U9-3/8B10	U9-#00B10	U9-#00B10	U9-#00B10	U9-#00B10	U9-#00B10

Capacitors Description

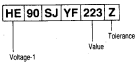
• **Electrolytic**

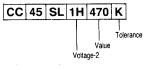


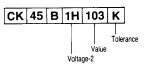
• **Mylar · Styrol**



• **Ceramic**







• **Electrolytic**

Type		Voltage		Value		Tolerance	
LL:	Low Leak	–10:	10V	R47:	0.47μF	K:	±10%
NP:	Non-Pole	–50:	50V	4R7:	4.7μF	M:	±20%
NS:	Standard	6R3:	6.3V	470:	47μF		
				471:	470μF		
				472:	4700μF		

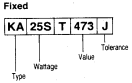
• **Mylar · Styrol**

Type		Voltage		Value		Tolerance	
MY:	Mylar	–25V:	25V	4R7:	4.7pF	G:	±2%
ST:	Styrol	125V:	125V	470:	47pF	J:	±5%
		–63T:	63V	471:	470pF	K:	±10%
				472:	4700pF	M:	±20%
				473:	0.047μF		
				474:	0.47μF		
				(1000pF=0.001μF)			

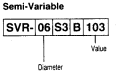
Voltage-1		Voltage-2		Value		Tolerance	
HC:	25V	1E:	25V	4R7:	4.7pF	C:	±0.25pF
HE:	50V	1H:	50V	470:	47pF	D:	±0.5pF
H:	100V	2H:	500V	471:	470pF	F:	±1pF
HK:	250V			472:	4700pF	J:	±5%
HM:	500V			473:	0.047μF	K:	±10%
				474:	0.47μF	M:	±20%
				(1000pF=0.001μF)		Z:	+80––20%

Resistors Description

• **Fixed**

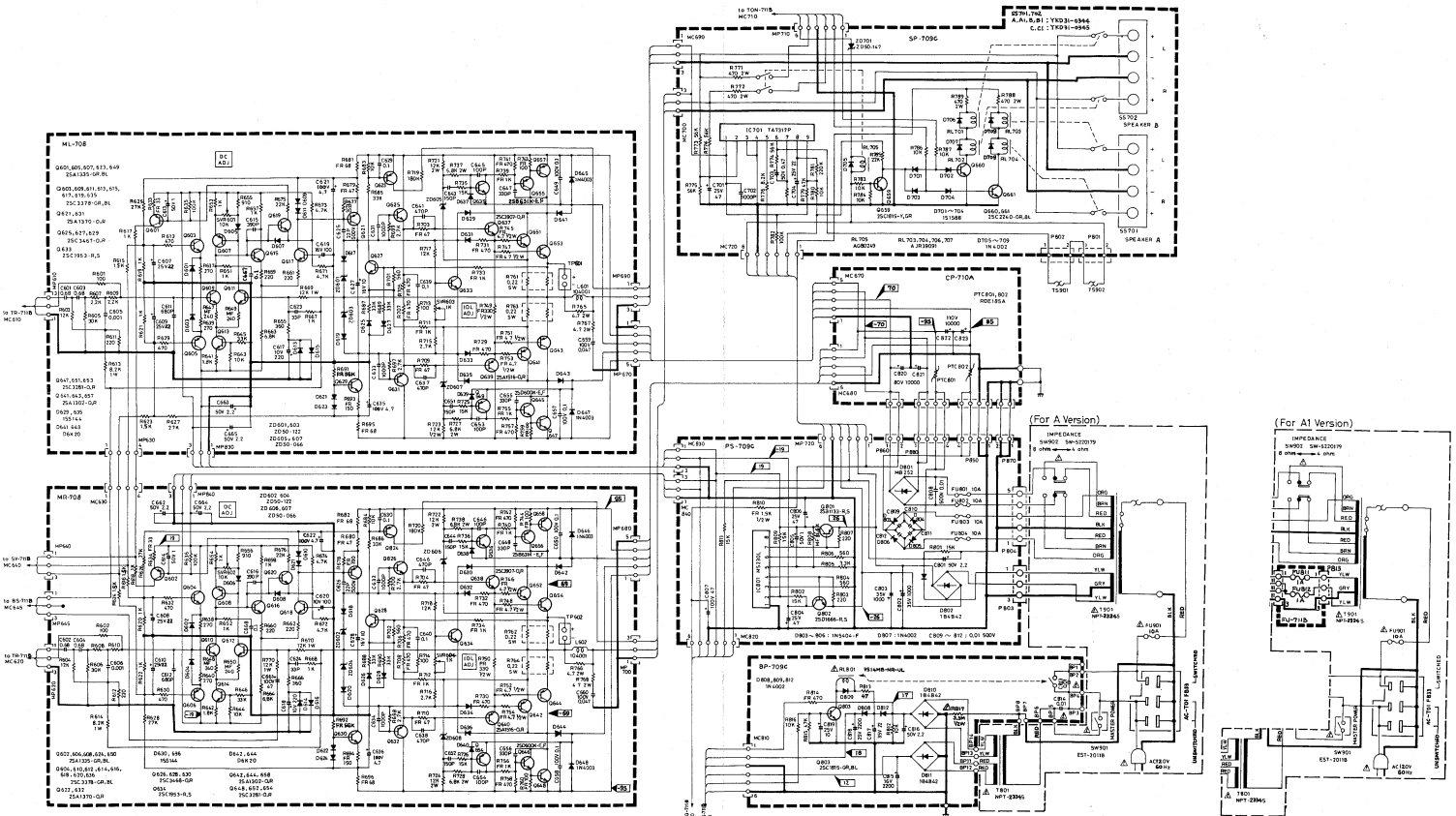


• **Semi-Variable**

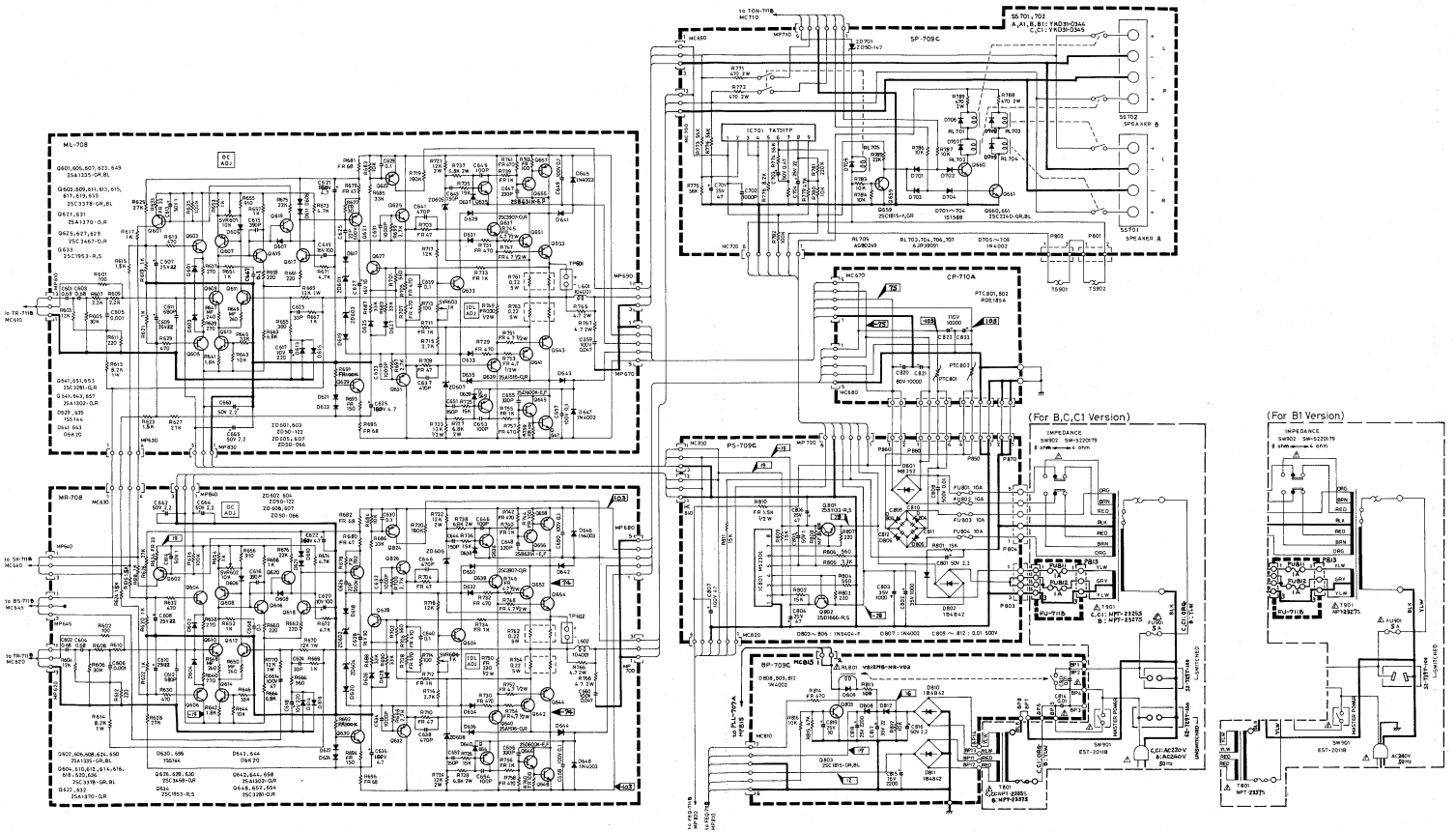


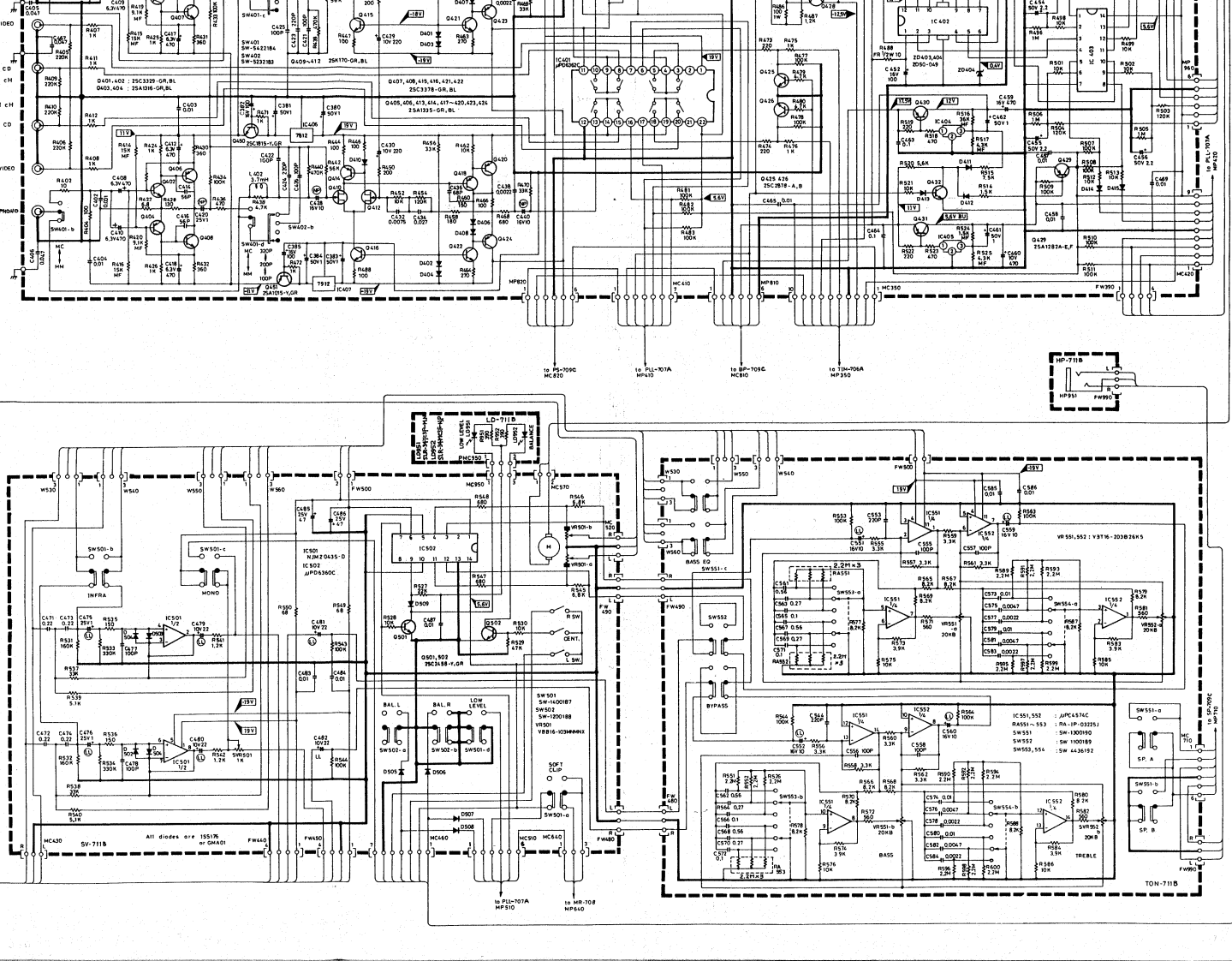
Type		Wattage		Value		Tolerance		Diameter	
CE:	Cement Case	–2W:	2W	R47:	0.47Ω	M:	±20%	08:	8φ
FR:	Flame Proof	10W:	10W	4R7:	4.7Ω	K:	±10%	10:	10φ
KA:	Carbon	16S:	1/6W	470:	47Ω	J:	±5%	06:	6φ
MF:	Metal Film	20S:	1/5W	471:	470Ω	G:	±2%		
RF:	Fusible	25S:	1/4W	472:	4.7kΩ	F:	±1%		
SA:	Metal Oxide	50S:	1/2W	473:	47kΩ	D:	±0.5%		
		50X:	1/2W	474:	470kΩ				
		S2W:	3W	475:	4.7MΩ				

Main Amp and Power Supply
(For A, A1 Version)



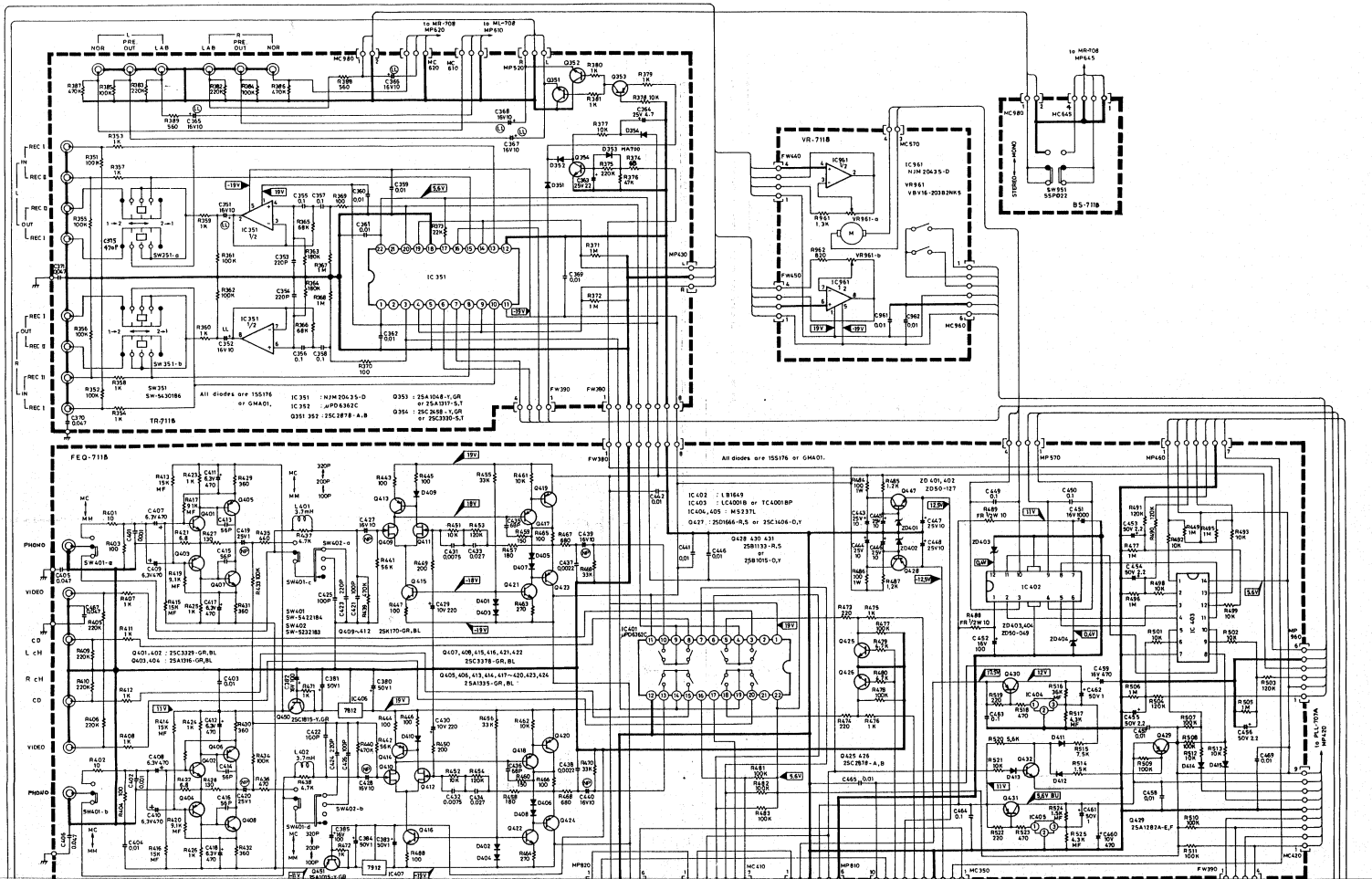
(For B, B1, C, C1 Version)

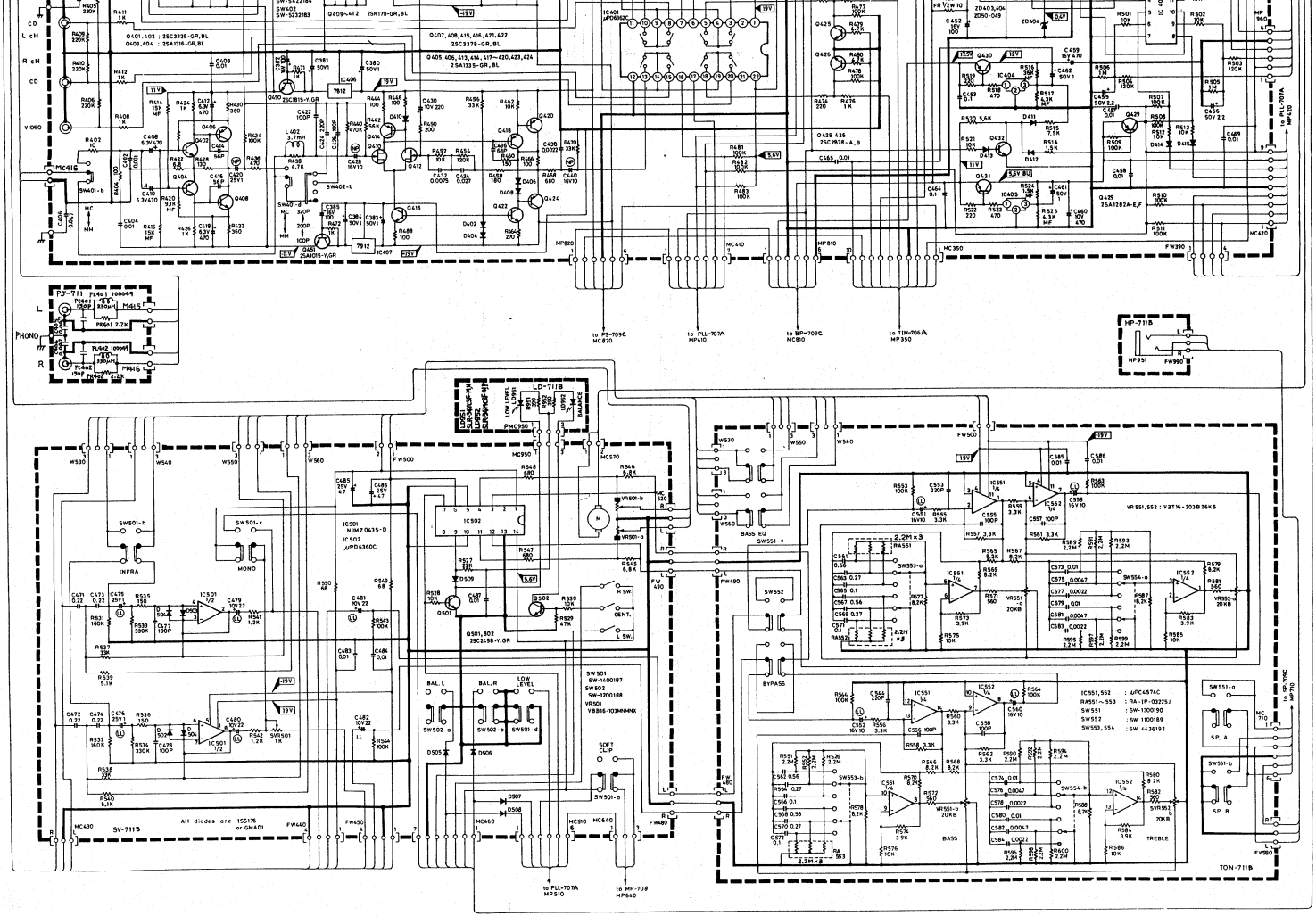



VIDEO
CD
L CH
R CH
CD
VIDEO
PHONO
SW401-b
SW401-c
SW401-d
SW402-b
SW401 SW-5422184
SW402 SW-5232183
Q401,402 : 2SC3329-GR,BL
Q403,404 : 2SA1316-GR,BL
Q407,408,415,416,421,422 2SC3378-GR,BL
Q405,406,413,414,417~420,423,424 2SA1335-GR,BL
Q409~412 2SA1170-GR,BL
Q425 426 2SC2878-A,B
IC401 μPD5636C
IC402 ZD401,404 Z050-049
IC403
IC404
IC405
IC407 2SA1015-Y,GR
Q430 2SC1815-Y,GR
Q429 2SA1282A-E,F
IC406 7812
7912
to PS-709C MC820
to PLL-707A MP410
to BP-709C MC810
to TIM-706A MP350
MC350
MC410
MC420
FW390
HP-711B
HP951
FW990
LD-711B
PMC950
SW501-b
SW501-c
INFRA
MONO
IC501 NJM2043S-D
IC502 μPD6360C
SW501 SW-1400187
SW502 SW-1200188
VR501 VB816-1034MMNZ
SV-711B
All diodes are 1SS176 or GMA01
FW430
FW440
FW450
FW480
FW490
MC430
MC440
MC510
MC640
to PLL-707A MP510
to MR-708 MP640
SW530
SW540
SW550
SW560
FW500
MC570
BASS EQ
SW551-c
SW552
BYPASS
SW553-a
SW554-a
SW553-b
SW554-b
VR551,552 : VBT16-203B26K5
IC551,552 : μPC4574C
RA551~553 : RA-IP-03125J
SW551 : SW-1300190
SW552 : SW-1100189
SW553,554 : SW 4436192
SW551-a
SW551-b
SP. A
SP. B
TON-711B
to SP-709C MC710
73

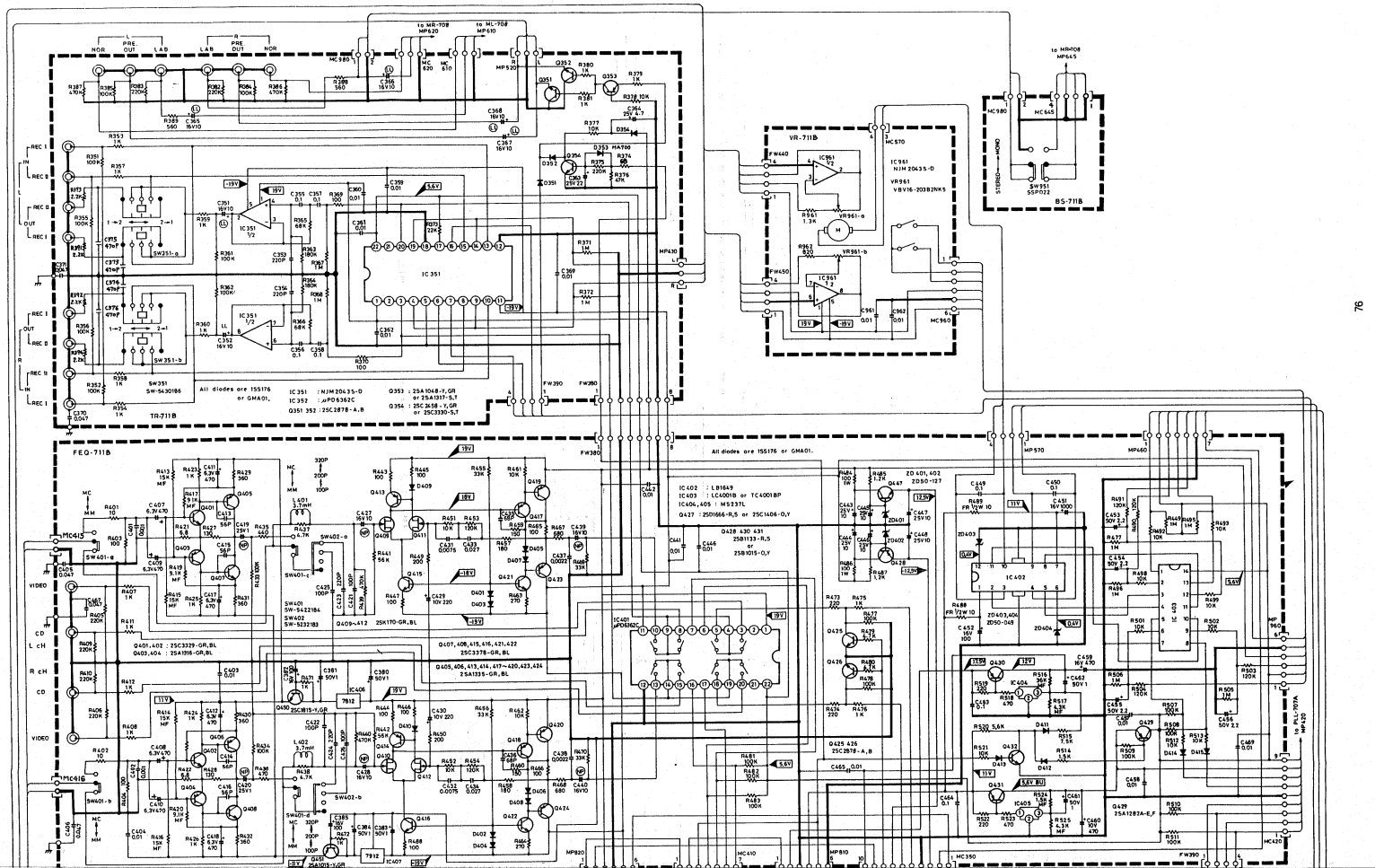
Preamp

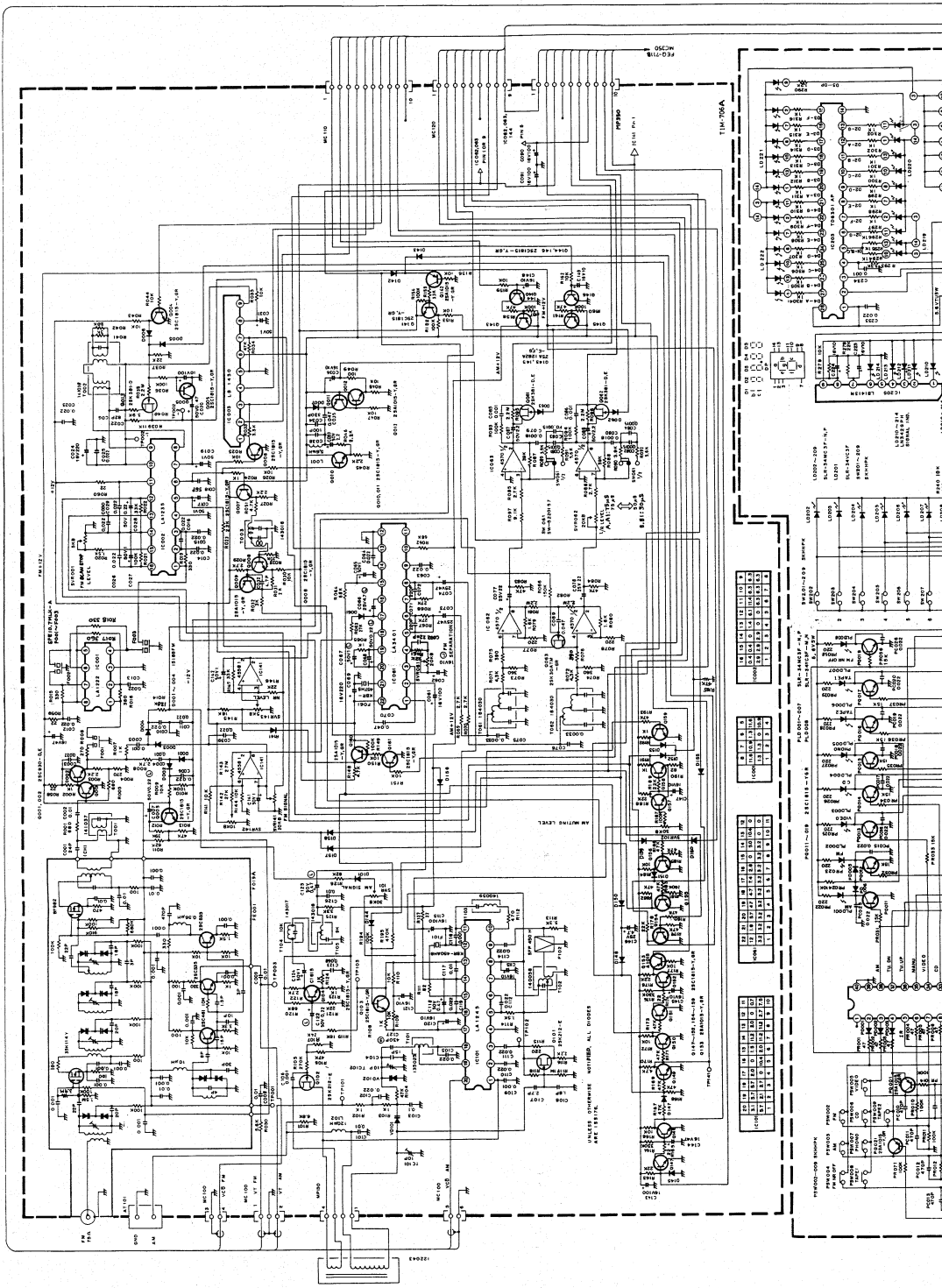
(For A, A1, B, B1, C Version)



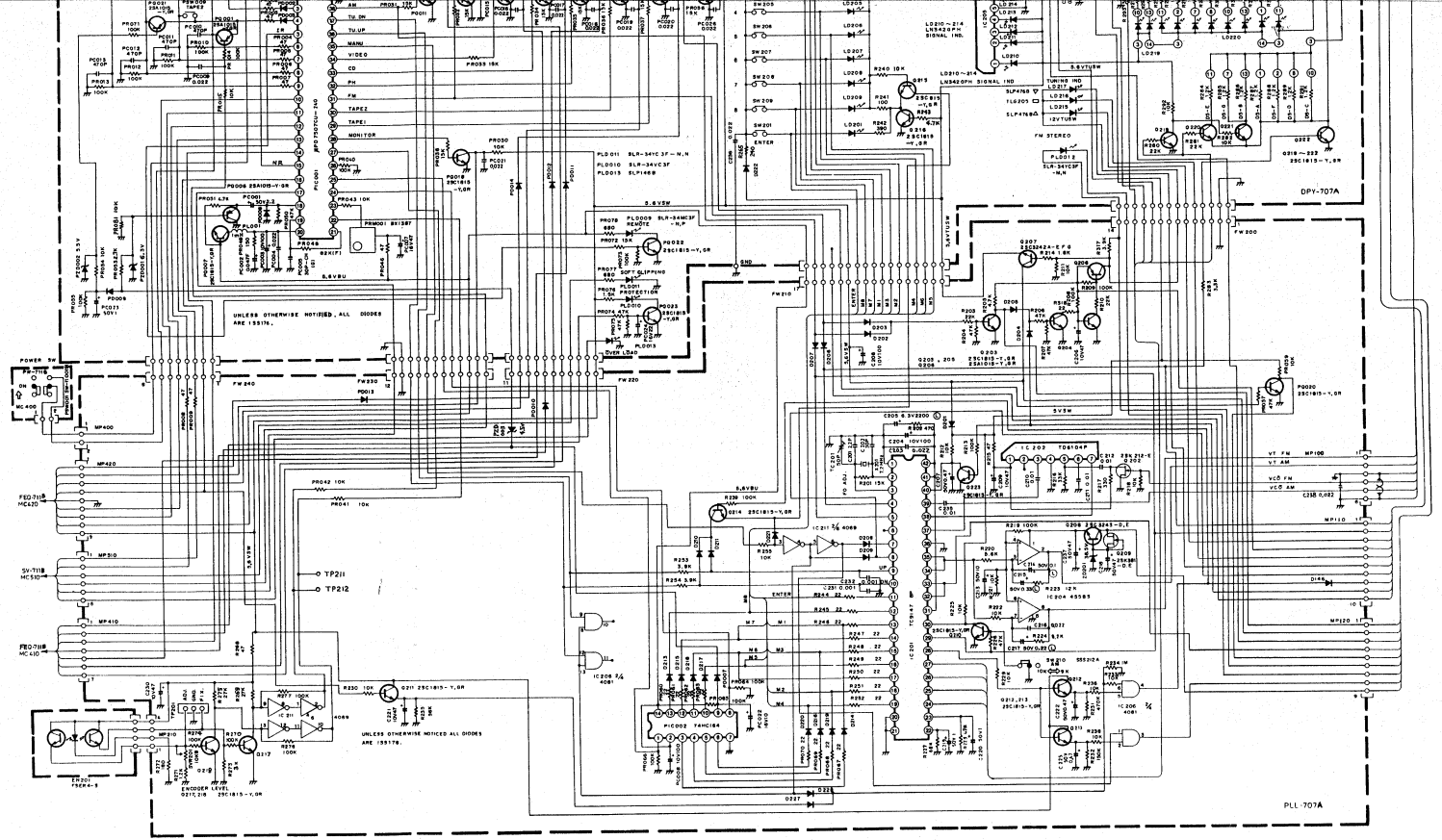

PJ-711
PHONO
L
R
LD-711B
BALANCE
HP-711B
SP-705C
TON-711B
SV-711B
All diodes are 1SS176 or GMA01
to PS-709C MC820
to PLL-707A MP410
to BP-709C MC810
to TIM-706A MP350
to PLL-707A MP510
to MR-708 MP640
to PLL-707A MP420
to SP-705C MP710

(For C1 Version)

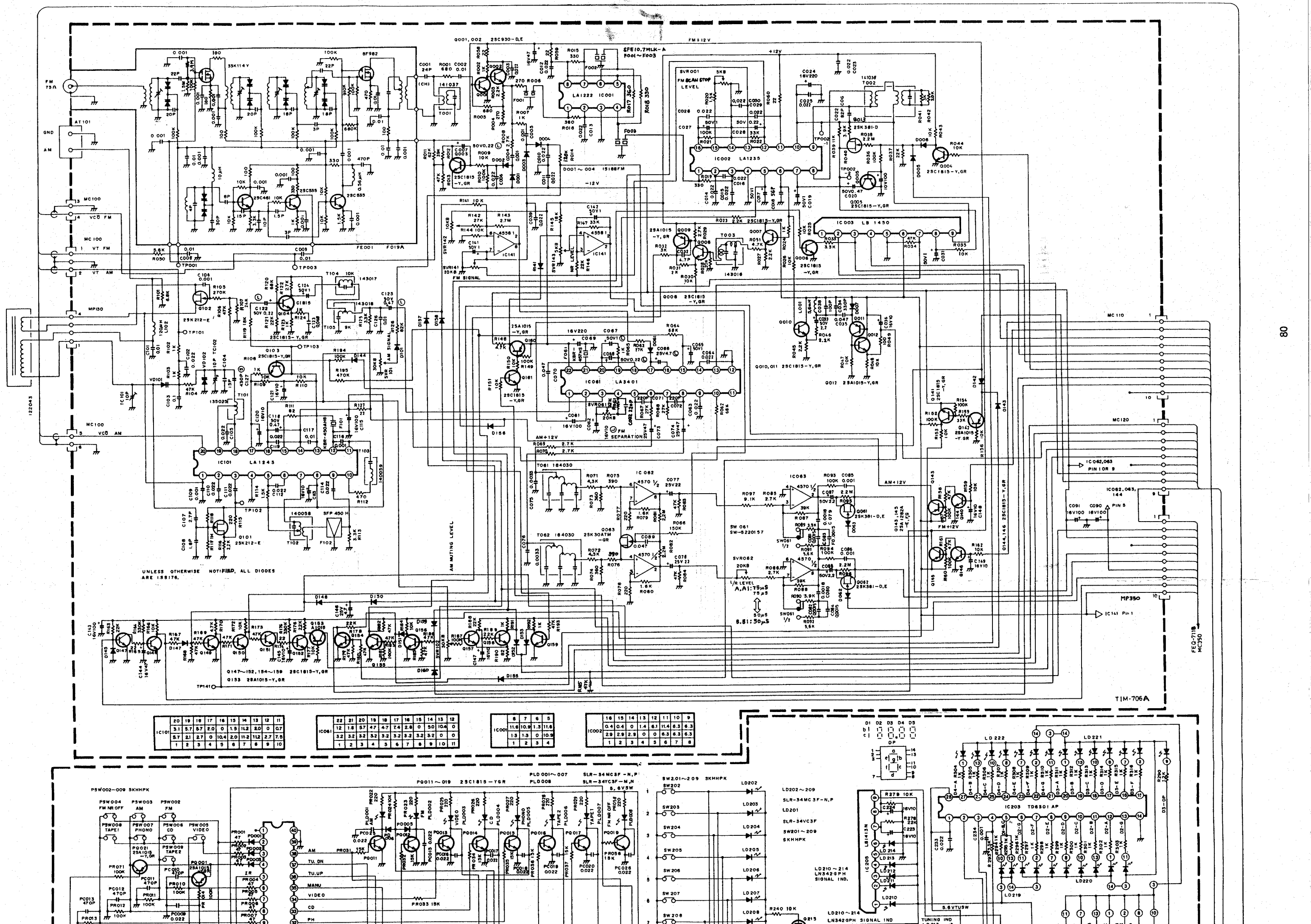




Tuner
(For A, A1 Version)


DPY-707A
PLL-707A
UNLESS OTHERWISE NOTIFIED, ALL DIODES ARE 1SS176.
UNLESS OTHERWISE NOTICED ALL DIODES ARE 1SS176.
TP211
TP212
FW200
FW210
FW220
FW230
FW240
MP400
MP410
MP420
MP510
MP100
MP110
MP120
FEO-711B MC420
SW-711B MC510
FEO-711B MC410
POWER SW
ON
MC 400
ENCODER LEVEL
IC 202 TD8104P
IC 201 TC9147
IC 211 4069
IC 209 74 4081
IC 206 4081
IC 204 4558S
IC 203 4558S
5.6VBU
5.6VSW
5VSW
3.3VSW
12VTUNE
FM STEREO
TUNING IND
SIGNAL IND
ENTER
VT FM
VT AM
VCO FM
VCO AM

(For B, B1 Version)

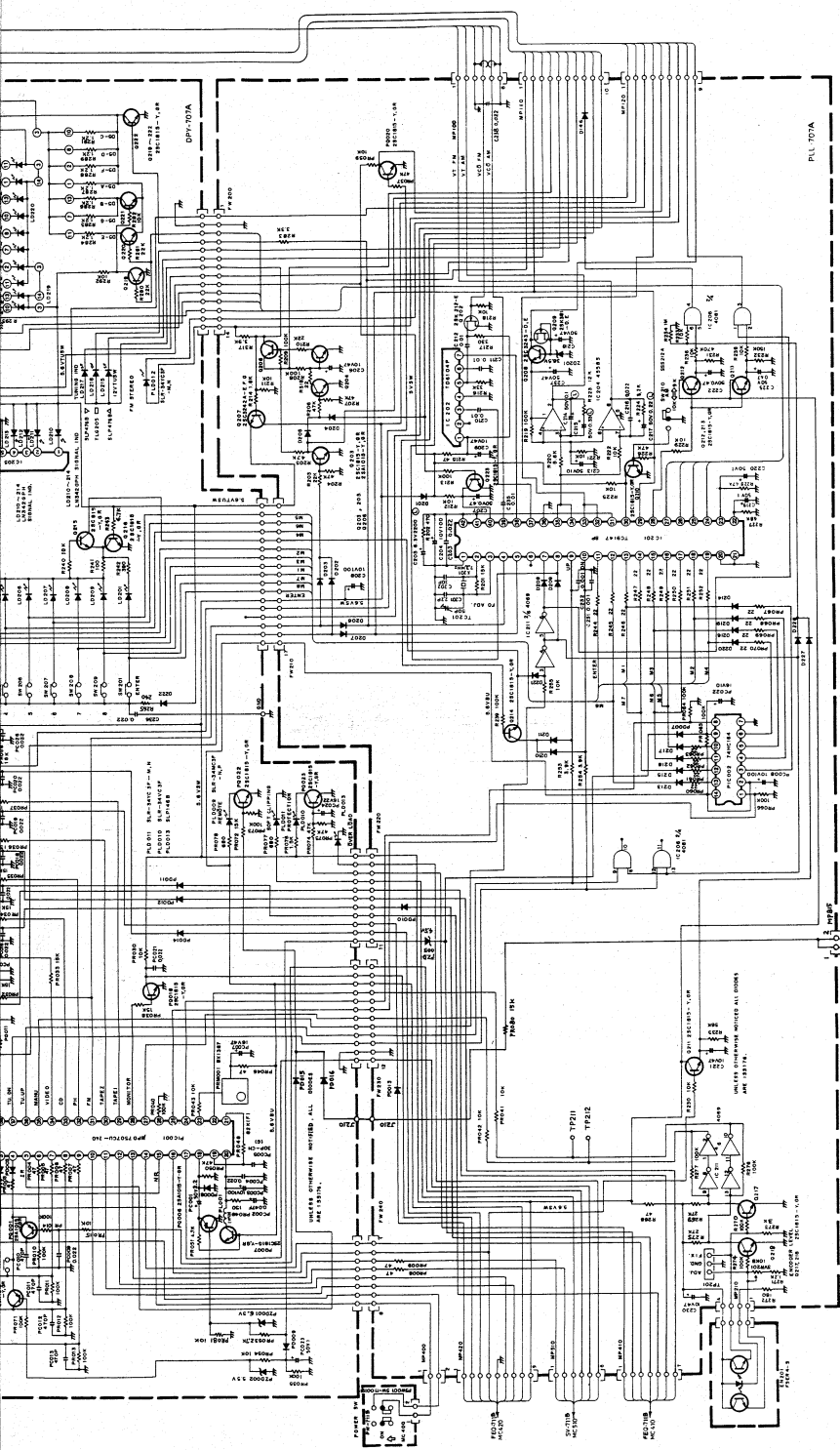

TIM-706A
FM 75Ω
GND
AM
AT101
MC100
MP130
MC110
MC120
MP350
FEO-711B MC350
FE001 F019A
Q001, 002 2SC930-D,E
SFE10.7MLK-A F001~F003
D001~004 1S188FM
Q147~152, 154~159 2SC1815-Y,GR
Q133 2SA1015-Y,GR
UNLESS OTHERWISE NOTIFIED, ALL DIODES ARE 1SS176.
AM MUTING LEVEL
PSW002~009 SKHHPK
PQ011~019 2SC1815-YGR
PLD001~007 SLR-34MC3F-N,P
PLD008 SLR-34YC3F-M,N
SW201~209 SKHHPK
LD202~209 SLR-34MC3F-N,P
LD201 SLR-34VC3F
SW201~209 SKHHPK
LD210~214 LN342GPH SIGNAL IND.
IC205 LB1413N
IC203 TD6301AP
5.6VTUSW
TUNING IND

IC101										
	20	19	18	17	16	15	14	13	12	11
	3.1	5.7	5.7	2.0	0	1.5	11.2	2.0	0	0.7
	5.7	2.1	2.7	0	10.4	2.0	11.2	11.2	2.7	7.5
	1	2	3	4	5	6	7	8	9	10

IC061											
	22	21	20	19	18	17	16	15	14	13	12
	12	1.8	5.7	4.7	4.7	7.4	2.8	0	5.0	10.4	0
	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0	0
	1	2	3	4	5	6	7	8	9	10	11

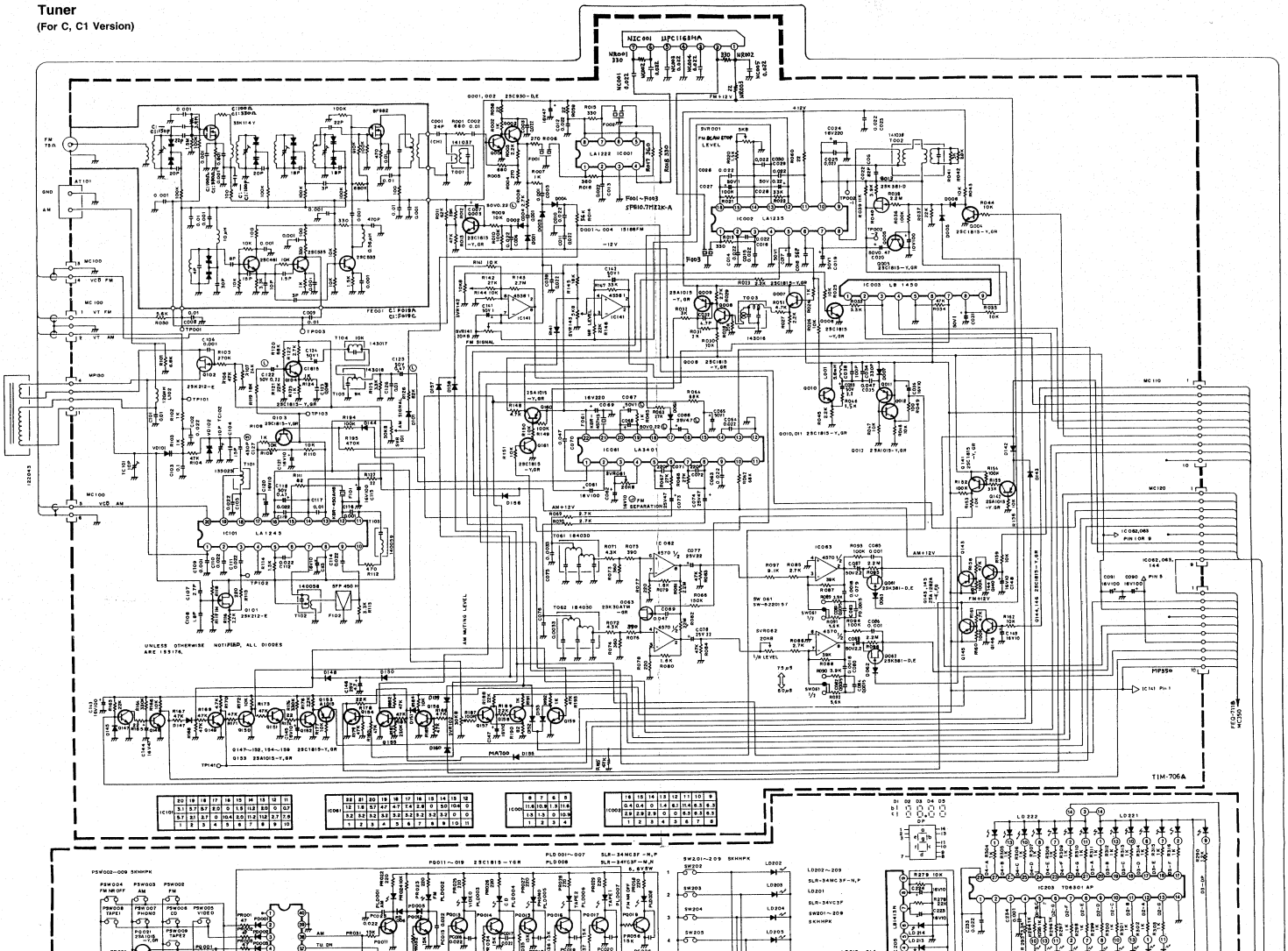
IC001				
	8	7	6	5
	11.6	10.9	1.3	11.6
	1.3	1.3	0	10.9
	1	2	3	4

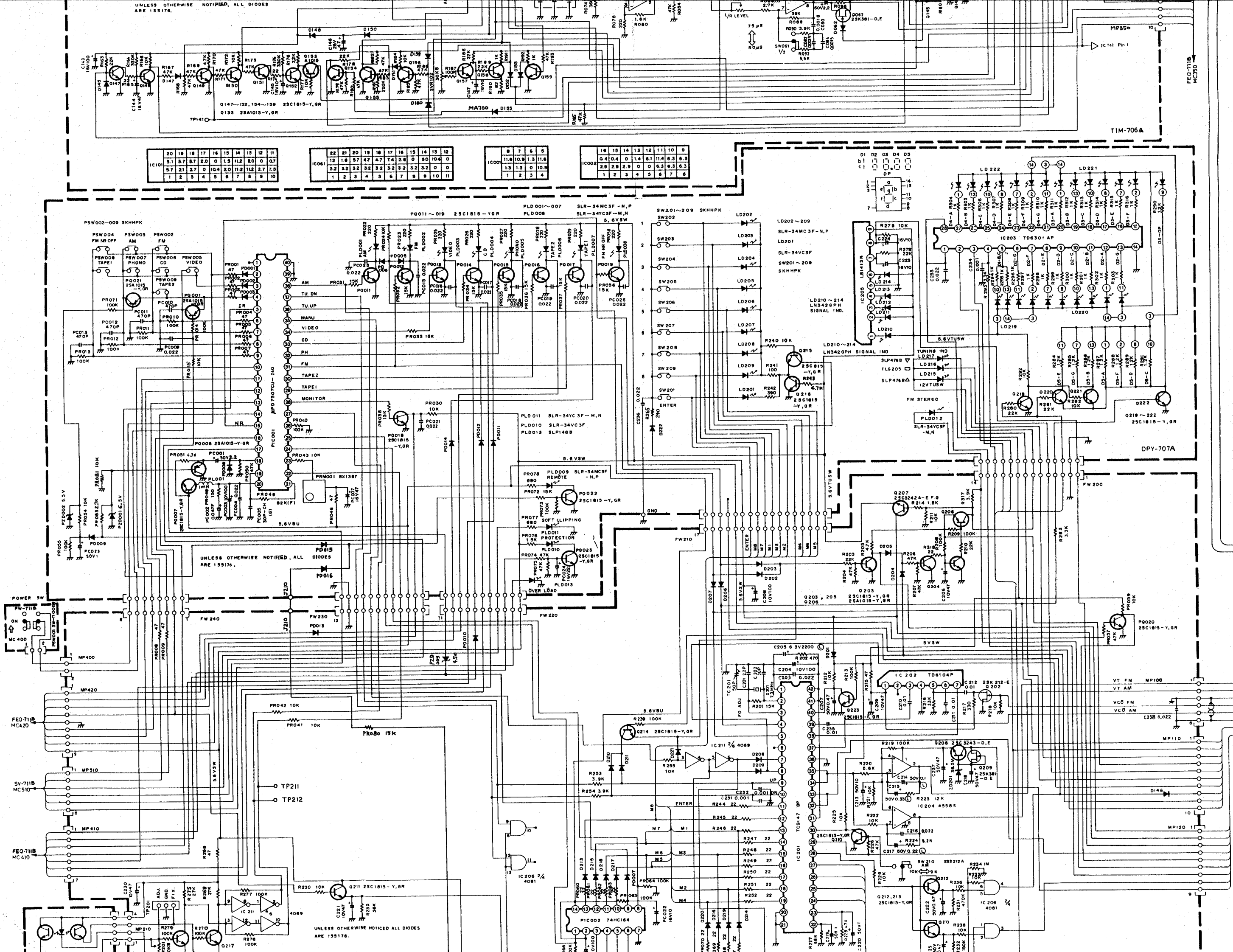
IC002								
	16	15	14	13	12	11	10	9
	0.4	0.4	0	1.4	6.1	11.4	6.3	6.3
	2.9	2.9	2.9	0	0	6.3	6.3	6.3
	1	2	3	4	5	6	7	8

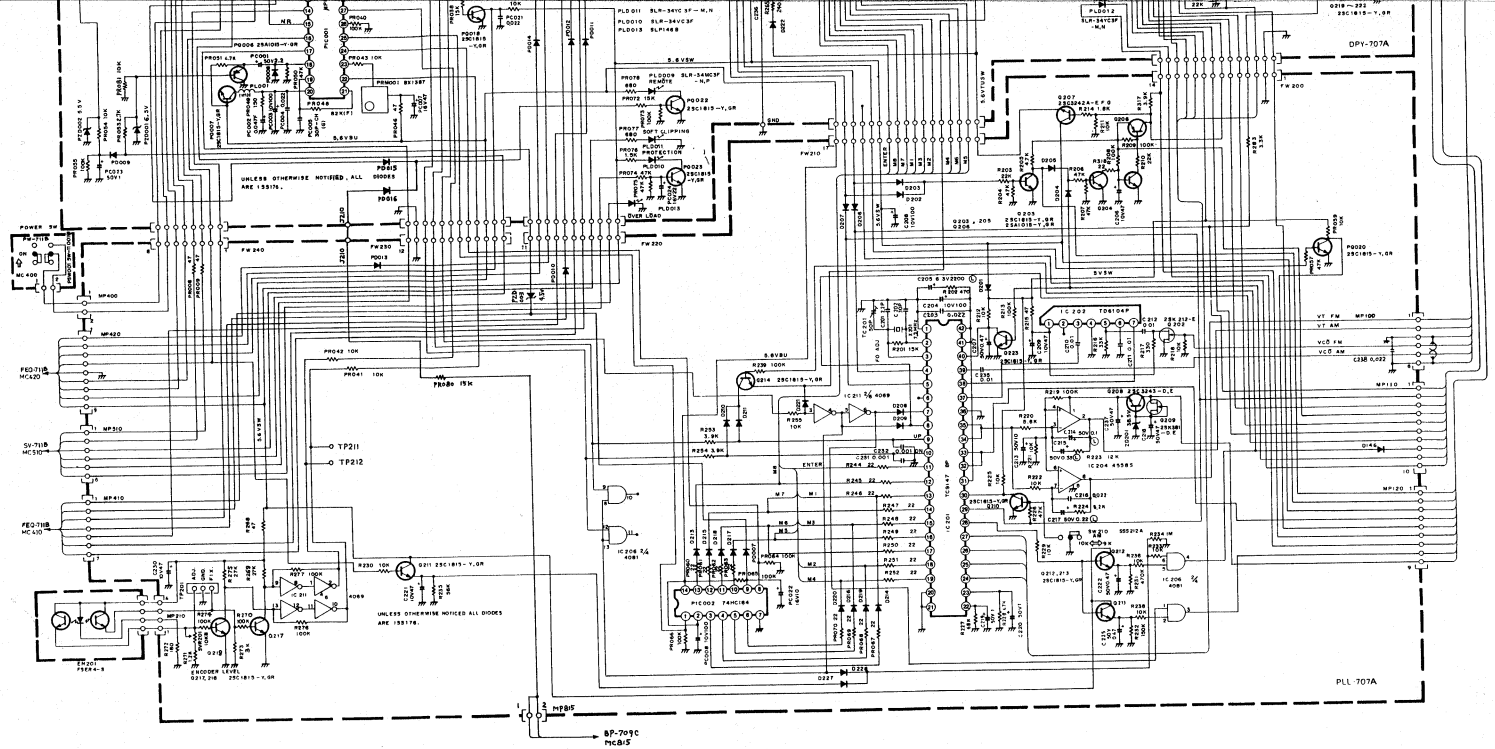

DPY-707A
PLL 707A
UNLESS OTHERWISE NOTIFIED, ALL DIODES ARE 1SS176.
UNLESS OTHERWISE NOTIFIED ALL DIODES ARE 1SS176.
TP211
TP212
MP-709C
MC815

Tuner

(For C, C1 Version)




TIM-706A
DPY-707A
FEQ-711B MC350
MP350
IC203 TD6301AP
IC205 LB1413N
IC201 TC9147BP
IC202 TD6104P
IC204 4558S
IC206 4081
IC211 4069
PIC001 μPD7507CU-240
PIC002 74HC164
FW200
FW210
FW220
FW230
FW240
MP100
MP110
MP120
MP210
MP400
MP410
MP420
MP510
FEQ-711B MC420
SV-711B MC510
FEQ-711B MC410
POWER SW
PW-711B
MC400
PSW001 SW-11001B
TP211
TP212
TP201
TP141
UNLESS OTHERWISE NOTIFIED, ALL DIODES ARE 1SS176.
UNLESS OTHERWISE NOTICED ALL DIODES ARE 1SS176.


DPY-707A
PLL 707A
UNLESS OTHERWISE NOTIFIED, ALL DIODES ARE 1SS176.
UNLESS OTHERWISE NOTICED ALL DIODES ARE 1SS176.
TP211
TP212
MP815
BP-709C MP815
FEG-715 MC420
SV-715 MC510
FEG-715B MC410
POWER SW
MC400
MP400
MP420
MP310
MP410
MP210
MP100
MP110
MP120
IC 202 TD6104P
IC 211 74 4069
IC 208 74 4081
IC 206 4081
IC 204 4558S
IC 201 TC9147 BP
PIC003 74HC164
PIC002 PIC16F84-10/P
PIC001 MB88157
PLD011 SLR-341C 3F-M,R
PLD010 SLR-341VC3F
PLD013 SLP1468
PLD009 SLR-341MC3F-M,R
PLD012 SLR-341VC3F-M,R
PLD001 PROTECTION
PLD002 SOFT-SLIPPING
PLD003 OVER LOAD
FW200
FW210
FW220
FW230
FW240
FW250
5.6VSW
5.6VBU
5VSW
GND
81